Commercial FEEDING STUFFS

1959 Report on Inspection

H. J. FISHER
Chief Chemist

Bulletin 633

July 1960

The CONNECTICUT Agricultural Experiment Station
NEW HAVEN

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COMMERCIAL FEEDING STUFFS

REPORT ON INSPECTION

1959

H. J. FISHER[1]

THE FEED LAW

The statute relating to concentrated commercial feeding stuffs (Chapter 428, General Statutes, Revision of 1958) imposes upon the Station: (1) all duties incidental to the annual registration of feeds offered for sale in the State; (2) the collection of samples for inspection and analysis; (3) the examination of all samples so collected; (4) the preparation and publication of a bulletin summarizing the results of inspection and giving other pertinent information; and (5) joint responsibility with the Food and Drug Commissioner for rules and regulations carrying out the provisions of the law. As a result of a general reorganization of State departments by the General Assembly in 1959, the Food and Drug Commission was abolished and its duties transferred to a new Department of Consumer Protection.

Section 22-116 of the 1959 Revision of the General Statutes delegates the enforcement provisions of the feed law to the Commissioner of Consumer Protection.

The following regulations were issued by the Director of this Station and the Food and Drug Commissioner in February, 1949:

REGULATIONS

REGULATION 1. FEEDS NOT CLASSIFIED AS CONCENTRATED COMMERCIAL FEEDING STUFFS (Sec. 22-112)

It is held that the law exempts from classification as concentrated commercial feeding stuffs, and therefore from registration: (1) roughages such as hays, straws, corn stover and ensilage; (2) whole grains and mixtures thereof; (3) meals made from whole grains when not mixed with other materials or with each other; (4) feed ground from whole grain and sold by the manufacturer directly to the consumer; and (5) feed mixed according to a formula furnished by the consumer, for his own use.

Under clause (2), above, registration will not be required for mixtures in which the ingredients, excepting corn, are whole grains. Corn, if present, may be whole or cracked.

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[1] Analyses are by Mr. Richard Merwin, Mr. Werner Mueller, Mr. Raymond West, Mr. Walter Oliver and Miss Helen Kocaba; biological assays under direction of Dr. Lester Hankin; microscopic examinations by Miss Janetha Shepard; and sampling by Mr. R. Richard Nichols. Compilations by Miss Eleanor Hopcraft.

Clause (4) refers to feed ground from materials furnished by the consumer.

Under clause (5) feed is regarded as "mixed to order" and must be so tagged together with the name of the customer for whom it is mixed, or otherwise identified to distinguish it from regular brands offered for general sale. Such feed must be sold only to the customer for whom it was mixed; if sold to others it becomes a regular brand and subject to registration and other provisions pertaining to feeds in general.

REGULATION 2. METHOD OF LABELLING (Sec. 22-113)

All concentrated commercial feeding stuffs, other than vitamin D carriers, must be labelled either by a statement printed on the bag or upon a properly attached tag; in the case of concentrated feeding stuff sold in bulk, a certificate which shall contain the information otherwise required to appear upon the bag or upon the tag, may be issued by the dealer in lieu thereof.

The use of wire or any metal in affixing tags is prohibited by law.

The law requires a statement of (1) the net weight of the feed contained in the package; (2) the name, brand or trademark, under which the feed is sold; (3) name and address of the manufacturer or importer; (4) the minimum percentages of (a) crude protein and (b) crude fat, and the maximum percentage of (c) crude fiber contained in the feed; (5) the separate ingredients of which the feed is composed.

While the law requires only a statement of the items enumerated above, no objection will be raised to more complete statements of chemical composition or formula.

REGULATION 3. CONCERNING VITAMIN D CARRIERS

Vitamin D carriers are required to be registered in the same manner and under the same conditions as obtain for feeds in general.

Information to be given on labels and in applications for registrations is (1) name of product; (2) vitamin D potency in terms of A. O. A. C. chick units per gram; (3) name and address of manufacturer, distributor or other person responsible for the product; and (4) on the label, a statement of net weight or volume.

The A. O. A. C. chick unit is the vitamin D activity produced by one U. S. Pharmacopoeia unit of vitamin D from the U. S. P. "Reference Cod Liver Oil", determined by the method of assay adopted by the Association of Official Agricultural Chemists.

REGULATION 4. CONCERNING COTTONSEED MEAL, ETC.

Cottonseed meal, linseed meal, soybean meal, and other vegetable feeds that are sold as fertilizer, are required to be registered under the provisions of the fertilizer law in addition to registration as feeds. If sold exclusively for one or the other of these purposes, the articles may be registered only under the law which applies.

For such of these articles as are used for fertilizer purposes chiefly or entirely as sources of nitrogen, only nitrogen (or protein) need be declared in the application for registration as fertilizer; and the tags or labels generally attached to such articles when intended for feeding purposes will be acceptable for them when sold as fertilizer.

REGULATION 5. DUTIES OF MANUFACTURERS, JOBBERS AND DEALERS WITH REFERENCE TO REGISTRATION (Sec. 22-114)

All concentrated commercial feeding stuffs, including vitamin D carriers, must be registered with the Connecticut Agricultural Experiment Station annually on January 1, or before they are offered for sale. Registration blank forms are supplied by the Station.

Manufacturers, jobbers or individuals shipping feeds into Connecticut will be expected to register their brands and pay the necessary fees thereon. Connecticut dealers should assure themselves that the brands they handle are properly registered and labelled. In case the manufacturer or jobber outside the State neglects or refuses to register, the dealer who handles such feeds will be held responsible for such registrations, registration fees and other legal requirements.

Dealers within the State who mix their own brands are responsible for the registration and proper labelling thereof.

REGULATION 6. DEFINITIONS OF TERMS USED IN THE LAW AND OF OTHER TERMS

Person. The term "person" imports the singular or the plural as the case demands; and includes corporations, companies, societies and associations.

Importer. The term "importer" is defined in the act.

Brand. It is held that a distinct brand name, or a distinct analysis, constitutes a distinct brand.

Definitions for Feeding Stuffs. The definitions and standards for feeding stuffs adopted from time to time by the Association of American Feed Control Officials are accepted as official in carrying out the provisions of this law; and the rules and regulations as adopted by that association are accepted as far as possible and when not inconsistent with the Connecticut Statutes.

REGULATION 7. METHODS OF ANALYSIS (Sec. 22-113)

The methods of analysis employed shall be those prescribed by the Association of Official Agricultural Chemists, wherever such methods have been adopted for the determinations desired.

REGULATION 8. CONCERNING MEDICATED FEEDS AND MINERAL MIXTURES

The law does not include medicated products used as "condi-

tioners" for stock and poultry, and which consist essentially of substances possessing, or claimed to possess, medicinal or condimental properties; nor does it include products consisting of supplemental minerals.

REGULATION 9. FEEDS IN DIFFERENT PHYSICAL FORMS

The same feed offered in different physical forms, e.g., mash and pellets, requires but one registration.

REGULATION 10. REVISIONS AND SUBSTITUTIONS OF REGISTRATIONS

A feed registration after being filed may be revised without payment of an extra registration fee.

A brand of feed duly registered and subsequently discontinued may be replaced by another brand for the unexpired period of registration without payment of an extra registration fee.

REGISTRATIONS

For the period January 1, 1959 to December 31, 1959, 192 firms registered 1,463 brands of feeding stuffs, and 19 firms registered 53 brands of vitamin carriers.

ACME-EVANS CO. INC., 902 W. Washington Ave., Indianapolis, Ind.

Acme Wheat Bran
Acme Wheat Standard Middlings with Screenings
Acme Yellow Hominy Feed

ALBERS MILLING CO., 5045 Wilshire Blvd., Los Angeles, Calif.

Albers Calf Manna
Albers Medicated Rapid-Ade
Albers Rabbit Breeder Ration
Albers Rabbit Family Ration
Albers Sho-Glo
Albers Suckle

ALBION ALFALFA MILL, INC., Albion, Nebr.

Beaver Brand Dehydrated Alfalfa Meal

ALLIED CHEMICAL CORP., Nitrogen Division, Hopewell, Va.

"Arcadian" Urea Feed Mixture

ALLIED MILLS, INC., 110 No. Wacker Drive, Chicago, Ill.

Egg Producer "E"
Sucrene 16% Dairy "P"
Universal Scratch Feed
Wayne Breeder Medicated
Wayne Calf Grower
Wayne Calfnip
Wayne Calf Starter "A"
Wayne Chick Feed
Wayne Chick Starter Medicated (1100-11)
Wayne Chick Starter Medicated (1100-39)
Wayne Complete Egg Medicated
Wayne 16% Dairy
Wayne 20% Dairy
Wayne Egg Medicated
Wayne 16% Finishing Feed Medicated
Wayne Fitting Ration
Wayne Hog Finisher Medicated
Wayne Horse Feed
Wayne Medicated Bio-Ruminutra
Wayne Medicated H-A-D
Wayne Medicated H-A-D (170)
Wayne Medicated H-A-D (171)
Wayne Medicated Poultry Res-Q
Wayne Medicated Stress Diet
Wayne Medicated Stress Diet (176)
Wayne Medicated Turkey Developer
Wayne Medicated Turkey Pre-Starter
Wayne Mink Meal
Wayne Pigeon Feed

ALLIED MILLS, INC., 110 No. Wacker Drive, Chicago, Ill. - Cont.

Wayne Pullet Developer
Wayne Pullet Developer Medicated
Wayne Pullet Grower
Wayne Pullet Grower Medicated
Wayne Rabbit Ration
Wayne Rocket Broiler Feed Medicated
Wayne Rocket Broiler Finisher
Wayne Rocket Broiler Finisher Medicated
Wayne Rocket Broiler Starter Medicated
Wayne Scratch Feed
Wayne Starter and Grower "E"
Wayne Starter and Grower "E" Medicated
Wayne Sweet Bulky Feed "E"
Wayne Tail Curler Medicated
Wayne Tail Curler Medicated (753)
Wayne Test Cow
Wayne Turkey Breeder Medicated
Wayne Turkey Developer Medicated Nithiazide
Wayne Turkey Developer Medicated p-Ureidobenzene arsonic acid
Wayne Turkey Developer (225) Medicated
Wayne Turkey Developer (227) Medicated
Wayne Turkey Developer (228) Medicated
Wayne Turkey Finisher
Wayne Turkey Finisher Medicated Nithiazide
Wayne Turkey Finisher Medicated p-Ureidobenzene arsonic acid
Wayne Turkey Grower
Wayne Turkey Grower Medicated Nithiazide
Wayne Turkey Grower Medicated p-Ureidobenzene arsonic acid
Wayne Turkey Pre-Starter (220) Medicated
Wayne Turkey Pre-Starter (222) Medicated
Wayne Universal Breeder Medicated
Wayne Universal Egg Medicated
Wayne Universal Pullet Grower
Wayne Universal Pullet Grower Medicated
Wayne Universal Turkey Breeder Medicated
Wayne Universal Turkey Grower
Wayne Universal Turkey Grower Medicated Nithiazide
Wayne Universal Turkey Grower Medicated p-Ureidobenzene arsonic acid

AMERICAN CRYSTAL SUGAR CO., Boston Bldg., Denver, Colo.

Dried Beet Pulp with Beet Molasses
Plain Dried Beet Pulp

AMERICAN CYANAMID CO., P.O. Box 383, Princeton, N. J.

(See also Vitamin Carriers)

Arsanilic Acid 20%
Arzene Premix 4%
Enheptin 15%
Megasul 25%
Pantothenic Acid (PA-45)
Profactor 6 Vitamin B_{12}
Profactor 10

AMERICAN FEED CO., W. 177th St. & Harlem River, New York, N. Y.

AFCO Wafer Meal

AMERICAN MAIZE-PRODUCTS CO., 250 Park Ave., New York, N. Y.

Amaizo Corn Gluten Meal
Cream of Corn Gluten Feed

ANHEUSER-BUSCH, INC., 721 Pestalozzi St., St. Louis, Mo.

Brewers' Dried Grains

ARCHER-DANIELS-MIDLAND CO., Minneapolis, Minn.

Archer Quality 34% Protein Linseed Oil Meal
Archer Quality 44% Protein Solvent Extracted Soybean Oil Meal
Archer Quality 50% Protein Dehulled Solvent Extracted Soybean Oil Meal

ARCHER-DANIELS-MIDLAND CO., Alfalfa Div., P. O. Box 356, Kansas City, Mo.

17% Dehydrated Alfalfa Meal
Small's 20% Fine Ground Dehydrated Alfalfa Meal

ARMOUR and CO., 401 N. Wabash Ave., Chicago, Ill.

Top-Pelt Mink Food Mix

ATLANTIC PROCESSING CO., Amagansett, N. Y.

Smith's Life Line Fish Meal

B & W CANNING CO., INC., Groveland, Fla.

B'n W brand Dried Citrus Pulp

BARBER & BENNETT, INC., Albany, N. Y.

Fort Orange All Mash Layer
Fort Orange Chick Starter Medicated
Fort Orange 16% Dairy Ration
Fort Orange 12% Fitting & Freshening Ration
Fort Orange Golden Test Ration
Fort Orange Medicated Appetizer Mash
Fort Orange Special Test Ration

THE BEACON MILLING CO., A Division of Spencer Kellogg & Sons, Inc., Cayuga, N. Y.

Beacon Balancer Pellets
Beacon Beef Creep & Fitting Ration
Beacon Broiler Finisher
Beacon Broiler Finisher NCA Medicated
Beacon Broiler Finisher UN3 Medicated
Beacon C-C Pellets
Beacon Calf Grow
Beacon Cape-Roaster Finisher NC Medicated
Beacon Cape-Roaster Finisher UN3 Medicated
Beacon "15" Coarse Test Cow Ration
Beacon Complete Rabbit Pellets
Beacon Complete Starter
Beacon Complete Starter NC Medicated
Beacon Complete Starter UN3 Medicated
Beacon Dairy Breeder Pellets
Beacon Dairy Fitting
Beacon Dairy Fitting Ration with Sodium Propionate
Beacon Duck Breeder
Beacon Duck Grower-Finisher
Beacon Duck Starter

THE BEACON MILLING CO., A Division of Spencer Kellogg & Sons, Inc., Cayuga, N. Y. - Cont.

Beacon Egg Check A Medicated
Beacon "22" Egg Mash
Beacon Goat Ration
Beacon Grower All-Mash
Beacon Grower All-Mash NC Medicated
Beacon "18" Growing Mash
Beacon Hi-Energy Test Pel-ets
Beacon Hog Finisher Pellets
Beacon Horse Feed
Beacon Keep Sweet Silage Preservative
Beacon Market Egg All-Mash A Medicated
Beacon Medicated Poultry Mix 1CT-FZ
Beacon Medicated Poultry Mix 2CT
Beacon Medicated "20" Turkey Grower AC-AN
Beacon Milk Check "16" Dairy Ration
Beacon Milk Check "18" Dairy Ration
Beacon Milk Check "20" Dairy Ration
Beacon Milk Check Fitting Ration
Beacon "24" Mixer
Beacon Pig Grower Pellets Medicated
Beacon Pig Starter Pellets Medicated
Beacon Poultry Finisher with Dienestrol Diacetate & Nicarbazin
Beacon Poultry Finisher NC Medicated
Beacon Poultry Fitting
Beacon Starter-Broiler
Beacon Starter-Broiler NCA Medicated
Beacon Starter-Broiler UN3 Medicated
Beacon Sweet "16" Dairy Ration
Beacon "16" Test Cow Ration
Beacon "18" Test Cow Ration
Beacon Turkey Breeder All-Mash
Beacon Turkey Finisher All-Mash
Beacon Turkey & Game Bird Breeder
Beacon Turkey & Game Bird Fitting
Beacon "22" Turkey & Game Bird Grower
Beacon "20" Turkey Grower
Beacon "20" Turkey Grower C Medicated
Beacon Turkey Starter SQA Medicated
Beacon Worm Mash
Be-Co Breeder A Medicated
Be-Co Grower
Be-Co Grower NC Medicated
Be-Co-Lass
Be-Co Layer A Medicated
Be-Co Nurse Milk Replacer
Bulky Green

THE BERKMAN GRAIN CO., North Franklin, Conn.

Nibco Crate Fattener
Nibco 18% Dairy Ration
Nibco Fitting Ration
Nibco Five Star Roaster
Nibco Five Star Roaster Feed Medicated
Nibco Five Star Super Starter
Nibco Five Star Weight Maker
Nibco Five Star Weight Maker Medicated
Nibco High Energy Growing & Laying Mash

THE BERKMAN GRAIN CO., North Franklin, Conn. - Cont.

Nibco Medicated Booster Feed
Nibco Pullet Starter Medicated
Nibco Scratch Feed

DAVID BILGORE & CO., Clearwater, Fla.

Registered by Cocke & Co., Atlanta, Ga.

Bilgore's (Brand) Citrus Pulp

BLATCHFORD CALF MEAL CO., Waukegan, Ill.

Blatchford's Calf Meal

THE BLOOMFIELD FARMERS' EXCHANGE INC., Bloomfield, Conn.

Bloomfield 16% Dairy Ration

HAROLD C. BRANDT, Annville, Pa.

Registered by Reading Milling Co., Inc., Reading, Pa.

Pure Winter Wheat Middlings

BROOKLAWN GRAIN & FEED CO., 321 Sylvan Ave., Bridgeport, Conn.

Brooklawn Sweet Mix

BROWN-FORMAN DISTILLERS CORP., P.O. Box 1080, Louisville, Ky.

Brown-Forman Corn Distillers Dried Grains
Brown-Forman Corn Distillers Solubles

CAMDEN GRAIN CO., 1709 Kossuth St., Camden, N. J.

Camden Brand Dried Brewers Grain

THE CANADA LINSEED OIL MILLS, Ltd., 2215 Notre Dame East, Montreal, Canada

Maple Leaf 34% Protein Expeller Linseed Oil Meal

THE A. B. CAPLE CO., Toledo, Ohio

17% Capex Dehydrated Alfalfa Meal
Sun-cured Alfalfa Crumbles

CARGILL, INCORPORATED, 200 Grain Exchange, Minneapolis, Minn.

Cargill, Inc. 34% Protein Solvent Extracted Linseed Oil Meal
Cargill, Inc. 44% Protein Solvent Extracted Soybean Oil Meal
Cargill, Inc. 50% Protein Solvent Extracted Dehulled Soybean Oil Meal

CARLING BREWING CO. INC., 9400 Quincy Ave., Cleveland, Ohio

Carling Brewers Dried Grains

CENTRAL CONN. CO-OPERATIVE FARMERS' ASS'N. INC., Manchester, Conn.

Honest Brand Aureomycin Mix 100 grams
Honest Brand Aureomycin Mix 200 grams
Honest Brand Complete Breeder Mash
Honest Brand Complete Ration High Energy Growing Mash
Honest Brand Complete Ration High Energy Laying Mash
Honest Brand Nu Weigh-Hi Broiler Mash Medicated
Honest Brand Nu Weigh-Hi Finisher Mash
Honest Brand Nu Weigh-Hi Starter Mash Medicated

CENTRAL SOYA CO. INC., Ft. Wayne, Ind.

Central's 44% Soybean Oil Meal Solvent Extracted
Thrifty-Fifty

CHEMO PURO MANUFACTURING CORP., 150 Doremus Ave., Newark, N.J.

(See also Vitamin Carriers)

Chemo - Nutrient Premix MGS-3
JR No. 6 Mix

CITRUS FEED CO., P.O. Box 513, Lakeland, Fla.

Fosgate's Ace High All Sweet Dried Citrus Pulp

CLINTON CORN PROCESSING CO., Clinton, Iowa

Clinton 21% Protein Corn Gluten Feed
Clinton 41% Protein Corn Gluten Meal

CLYDE MILLING CORP., Clyde, N. Y.

Clyde Booster 16 Dairy Ration
Clyde C. L. Special 15
Clyde C. L. Special 16
Clyde Complete Calf Starter Medicated
Clyde Complete Rabbit Pellets
Clyde Dry & Freshening Ration
Clyde Grow-Rite Complete Pullet Ration
Clyde H-E Broiler Mash Medicated
Clyde H-E Complete Breeder Mash
Clyde H-E Complete Layer & Grower
Clyde Hi-Cal-Re Complete Layer & Grower
Clyde Horse Feed
Clyde Life Span 15
Clyde Life Span 18
Clyde Life Span 30
Clyde Market Egg Mash
Clyde Meat Bird Finisher Pellets Medicated
Clyde Milk-Flo 16 Dairy Ration
Clyde R. S. 10
Clyde Super Egg Mash
Clyde Tastee Station Pellets
Clyde Test Cow 16
Clyde Test Cow 18
Clyde Turkey Grower Mash
Dewhurst's 16% Dairy Ration
Dried Apple Pomace
Warren's Calf Starter (Mfd. for William S. Warren & Son, Eastford, Conn.)
Warren's Dairy Fitting Ration (Mfd. for William S. Warren & Son, Eastford, Conn.)
Warren's 16 Dairy Ration (Mfd. for William S. Warren & Son, Eastford, Conn.)
Warren's Laying Mash (Mfd. for William S. Warren & Son, Eastford, Conn.)
Warren's Test Cow 16 (Mfd. for William S. Warren & Son, Eastford, Conn.)
Wheat Bran

COCKE and CO., 208 William-Oliver Bldg., Atlanta 3, Ga.

Bilgore's (Brand) Citrus Pulp (Mfd. by David Bilgore & Co., Clearwater, Fla.)
Sweet Suni-Citrus Pulp (Mfd. by Suni-Citrus Products, Haines City, Fla.)

COLBY COOPERATIVE STARCH CO., Caribou, Maine

Co-Star Brand Dried Potato Pulp and Molasses

COMMERCIAL SOLVENTS CORP., 1331 South 1st St., Terre Haute, Ind.

Corn Distillers Dried Solubles with Grains (Soluferm Basic)

COMMUNITY SERVICE, INC., Canaan, Conn.

Community Service 16% Dairy Ration
Community Service 18% Dairy Ration
Community Service Fitting Ration

CONNECTICUT BI-PRODUCTS, INC., Hop River Rd., Columbia, Conn.

Hydrolyzed Poultry Feathers
Poultry By-Product Meal

CONSOLIDATED BLENDERS, INC., Fremont, Nebr.

17% Dehydrated Alfalfa Meal with Animal Fat Merry Mixer Greenules

CONSOLIDATED RENDERING CO., 178 Atlantic Ave., Boston, Mass.

Corenco Feeding Bone Meal
Corenco 47% Meat & Bone Scrap
Corenco 50% Meat & Bone Scrap

CONTINENTAL DISTILLING CORP., 1429 Walnut St., Philadelphia, Pa.

25% Corn Distillers Dried Grains
Corn Distillers Dried Solubles

COOPERATIVE GRANGE LEAGUE FEDERATION EXCHANGE, INC., Ithaca, N. Y.

Registered by Eastern States Farmers' Exchange, Inc., West Springfield, Mass.

GLF All-Mash Laying Ration
GLF Fitting Ration
GLF 16% Milk Maker
GLF Trim
GLF Turkey Starter

CORN PRODUCTS CO., 717 Fifth Ave., New York, N. Y.

Buffalo Brand 21% Protein Corn Gluten Feed
Diamond Brand Corn Gluten Meal
Diamond Brand 41% Corn Gluten Meal

C. A. COWLES, INC., Plantsville, Conn.

Blue C Feed 16% Dairy Ration
Blue C Feed 20% Dairy Ration
Blue C Feed Fitting Ration
Blue C Feed Growing Mash
Blue C Feed Horse Feed with Molasses
Blue C Feed Laying Mash
Blue C Feed Rabbit Pellets
Blue C Feed Super 16% Dairy Ration
C. A. Cowles Turkey Starting Mash
16% Dairy Delight
16% Dairy Delight (Coarse)

P. CUTLER, INC., Colchester, Conn.

Prosperity Calf & Beef Ration
Prosperity Dairy Ration
Prosperity Laying Mash
Prosperity Pig Feed
Prosperity Sweet Beetrus Mix

DCA FOOD INDUSTRIES, INC., Ellicott City, Md.

Domaco Pure Winter Wheat Bran
Domaco Winter Wheat Standard Middlings

DAIRYMEN'S LEAGUE CO-OPERATIVE ASS'N. INC., 400 Park St., Syracuse, N. Y.

Dairylea Skim Milk Powder for Animal Feed

DAWE'S LABORATORIES, INC., 4800 So. Richmond St., Chicago, Ill.

(See also Vitamin Carriers)

Dawe's Fermentation Flavonne
Dawe's Vitamelk (Ruminant Type)
Premix No. 1
Premix No. 2
Premix No. 111
Special Broiler Mix No. 571-D

DAWNWOOD FARMS, Amenia, N. Y.

Dawnwood Farms Caf-Star

DECATUR ELEVATOR CO., 518 E. Gault St., Decatur, Ill.

Illini Brand Expeller Type 43% Soybean Oil Meal

DECATUR MILLING CO., INC., 717 N. Union St., Decatur, Ill.

Homco Hominy Feed

DELAWARE MILLING CO., INC., Deposit, N. Y.

Delaware Pig & Hog Feed
Delaware Rabbit Pellets
Delaware Scratch Grains
Eastern Conn. Grain Associates Broiler Finisher Mash Medicated
Warren's C & C Breeder Mash (Mfd. for Wm. S. Warren & Son, Eastford, Conn.)
Warren's C & C Complete Breeder Mash (Mfd. for Wm. S. Warren & Son, Eastford, Conn.)
Warren's C & C Complete Laying Mash (Mfd. for Wm. S. Warren & Son, Eastford, Conn.)
Warren's C & C Laying Mash (Mfd. for Wm. S. Warren & Son, Eastford, Conn.)
Warren's Fitting Ration (Mfd. for Wm. S. Warren & Son, Eastford, Conn.)
Warren's Indian 16% Dairy (Mfd. for Wm. S. Warren & Son, Eastford, Conn.
Warren's 16% Test Ration (Mfd. for Wm. S. Warren & Son, Eastford, Conn.)

THE DELPHOS GRAIN & SOYA PRODUCTS CO., Delphos, Ohio

44% Protein Soybean Oil Meal (Solvent Extracted)

DERBY FEED STORE, 176 Main St., Derby, Conn.

Litsky's Hi-Energy All Mash Grower
Litsky's Hi-Energy All Mash Grow & Lay
Litsky's Hi-Energy All Mash Layer
Litsky's Hi-Energy Layer
Litsky's Hi-Energy Starter-Broiler Medicated
Litsky's Sweet 16% Dairy Ration

DEWHURST'S GRAIN STORE, Southwick, Mass.

Registered by Clyde Milling Corp., Clyde, N. Y.

Dewhurst's 16% Dairy Ration

DISTILLERS CORPORATION Ltd., LaSalle, Quebec, Canada

Distilco Corn Distillers' Dried Grains

DUFFY-MOTT CO., INC., 370 Lexington Ave., New York, N. Y.

Dried Apple Pomace

E. I. duPONT deNEMOURS AND COMPANY, Wilmington, Del.

DU PONT TWO-SIXTY-TWO Feed Compound

EASTERN STATES FARMERS' EXCHANGE, INC., West Springfield, Mass.

(See also Vitamin Carriers)

Alfapels
All-Mash Breeder Medicated
Appiwhey
Appiwhey Emulsion
Beefmix with Diethylstilbestrol
Breeder Mash Medicated
Broiler Finisher Medicated
Broiler Grower Medicated
Broiler Starter Medicated
Calf Starter
Calving Ration
Cashmaker Medicated
Cashmaker-WM Medicated
Champion
Choicemaker Medicated
Class Leader
Darimore
Dairypels 16
Dairypels 20
Fulpail
Gee-Mix
Goalmaker Medicated
Grasslander
Lay-Mix Medicated
Master Mix Dairy Ration
Matchmaker Medicated
Medicated Defender
Medicated Lacto-Life
Medicated Minuteman
Medicated Minuteman SQ
Medicated Sentinel
Medicated Turkey Starter F
Milkmore
Milkmore-WA Medicated

EASTERN STATES FARMERS' EXCHANGE, INC., West Springfield, Mass. - Cont.

Milksaver
Pacemaker Medicated
Pork Breeder
Pork Builder
Pork Gainer Medicated
Porklets
Porkmix
Pork Primer Medicated
Poultry Wormer
Rabettes
Roaster Finisher Medicated
Supmix
Sweepstakes
Tastibulk
Turkey Breeder
Turkey Finisher
Turkey Finisher C Medicated
Turkey Grower
Turkey Grower C Medicated
Turkey Starter Medicated

ECKHART MILLING CO., 1300 W. Carroll Ave., Chicago, Ill.

Ecko Pure Wheat Bran
Standard Wheat Middlings with Ground Recleaned Wheat

ELMORE MILLING CO., INC., 52 Main St., Oneonta, N. Y.

Elmore Broiler Finisher Pellets (1N)
Elmore Bull Feed
Elmore Calf Grain Ration
Elmore Chixsaver (1N)
Elmore Chixsaver (1S)
Elmore Chixsaver (2S)
Elmore Complete Breeder Mash (1A)
Elmore Complete Calf Milk Replacer
Elmore Complete Growing Ration (1A)
Elmore Complete Growing Ration (1N)
Elmore Complete Laying Mash
Elmore Complete Market Egg Ration
Elmore Complete Market Egg Ration (1A)
Elmore Complete Rabbit Ration Pellets
Elmore Complete Turkey Growing Mash (1A)
Elmore Complete Turkey Growing Mash (1H)
Elmore Complete Turkey Growing Mash (1S)
Elmore Dry & Freshening Ration
Elmore Egg Mash (1A)
Elmore Fair Acres Dairy Ration
Elmore Fitting Ration 14%
Elmore Flaked Pelleted Calf Starter
Elmore Fleshing Pellets
Elmore Game Bird Grower
Elmore Game Bird Growing (1H)
Elmore Game Bird Starter (1S)
Elmore Grand Champion Ration
Elmore Growing Mash (1A)
Elmore Growing Mash (1N)
Elmore Hog Ration
Elmore 20% Laying Mash
Elmore Makemgrow Little Pig Ration

ELMORE MILLING CO., INC., 52 Main St., Oneonta, N. Y. - Cont.

Elmore Milk Grains "Sixteen"
Elmore Milk Grains "Twenty"
Elmore Pacemaker 16% Dairy Ration
Elmore Pacemaker 18% Dairy Ration
Elmore Picker-Upper Mash (2A)
Elmore Poultry & Turkey Fitting Ration
Elmore Restricted Grower
Elmore Silosweet
Elmore Stock Feed
Elmore Super Broiler Ration (1N)
Elmore Super Silage
Elmore 30% Supplemental Dairy Ration
Elmore Test Ration 16%
Elmore Test Ration 18%
Elmore Turkey Breeder Mash (1A)
Elmore Turkey Finisher (Fattener)
Elmore Turkey Growing Mash (1A)
Elmore Turkey Growing Mash (1H)
Elmore Turkey Starting Mash (1S)

JOHN W. ESHELMAN & SONS, Lancaster, Pa.

Lancaster 16 Dairy Feed
Lancaster 20 Dairy Feed
Lancaster Scratch Grains
Pennsy Complete Laying Ration
Pennsy 16 Dairy Feed
Pennsy Laying Mash
Red Rose Breeder Mash
Red Rose Broiler Finisher Medicated
Red Rose Calf Grower
Red Rose Calf Starter
Red Rose Cattle Supplement
Red Rose Chick Grains
Red Rose Complete Breeder Ration
Red Rose Complete Growing Ration
Red Rose Complete Laying Ration
Red Rose Complete Turkey Finisher
Red Rose Complete Turkey Grower
Red Rose 16 Dairy Feed
Red Rose 18 Dairy Feed
Red Rose Fitting Ration
Red Rose Growing Mash
Red Rose Hog Meal
Red Rose Horse Feed
Red Rose Intermediate Chick Grains
Red Rose Laying Mash
Red Rose Medicated T-C Feed
Red Rose Milk Replacer
Red Rose Pigeon Feed
Red Rose Porkmaker
Red Rose Rabbit Pellets
Red Rose Scratch Grains
Red Rose Starter & Grower
Red Rose 14 Test-Cow Feed
Red Rose Turkey Starter
Red Rose Wild Bird Feed
S-O-S

EVANS MILLING CO., INC., 1730 W. Michigan St., Indianapolis, Ind.

Emco Hominy Feed

FARM BUREAU ASSOCIATION, 155 Lexington St., Waltham, Mass.

Farm Bureau Complete Developer Mash or Pellets
Farm Bureau Complete Market Egg Mash or Pellets
Farm Bureau 16% Dairy Ration
Farm Bureau 14% Milking Ration
Farm Bureau Rabbit Food Pellets
Farm Bureau Special Hominy (Registered by Litchfield County Co-operative Ass'n., Torrington, Conn.)
Milk Replacer

FARMERS FEED CO., 375 Johnson Ave., Brooklyn, N. Y.

"Bull Brand" Brewers Dried Grains
"Bull Brand" Brewers Dried Grains and Dried Potato Pulp Added

FISH PRODUCTS CO., Fort Miles Rd., Lewes, Del.

Smith's Lifeline Fish Meal Stabilized with (Food Grade) Butylated-Hydroxy-Toluene

FISH PRODUCTS CO. of NEW JERSEY, Tuckerton, N. J.

Smith's Lifeline Fish Meal Stabilized with (Food Grade) Butylated-Hydroxy-Toluene

FLORIDA CITRUS CANNERS COOPERATIVE, Lake Wales, Fla.

Lake Wales Brand Citrus Pulp

FLORY MILLING CO., North Main St., Bangor, Pa.

Flory 20% Grower
Flory Horse Feed
Flory 20% Layer
Flory Medicated Stim-U-Lets
Flory Poultry Wormer
Flory Rabbit Pellets
Flory Record 16% Dairy Feed
Flory Scratch Feed
Flory Superior 16% Dairy Feed

THE FOX CO., Newfield, N. J.

(See also Vitamin Carriers)

Foxco D-Activated Animal Sterol (Source of Vitamin D_3)
Foxco Flavitein
Fox Fish Meal

GENERAL FOODS CORP., 180 So. Dearborn Ave., Kankakee, Ill.

Burt's Hominy Feed

GENERAL MILLS, INC., Minneapolis, Minn.

Ben Hur Wheat Bran
General Mills 44% Protein Solvent (Hexane) Extracted Soybean Oil Meal
General Mills 50% Protein Dehulled Soybean Oil Meal
General Mills Toasted Soybean Millfeed
Washburn's Gold Medal Wheat Adrian Red Dog
Washburn's Gold Medal Wheat Bran and Ground Wheat Screenings Not Exceeding Mill Run
Washburn's Gold Medal Wheat Standard Middlings and Ground Wheat Screenings Not Exceeding Mill Run

GENERAL MILLS, INC., Larrowe Region, 15800 W. McNichols Rd., Detroit, Mich.

Gold Medal Karmel Grist
Gold Medal Stock Champ
Larro All Purpose Poultry Wormer
Larro Chick Grains
Larro .0032% Dienestrol Diacetate Mix in Special SureBroiler Starter (NCB-AGS) Medicated
Larro .0046% Dienestrol Diacetate Mix in Special SureBroiler Starter (NCB-AGS) Medicated
Larro .0023% Dienestrol Diacetate Mix in SureBroiler Caponette 20 (NCB-AGS) Medicated
Larro .007% Dienestrol Diacetate Mix in SureBroiler Caponette 20 (NCB-AGS) Medicated
Larro .0022% Diethylstilbestrol Mix in SureBeef 50
Larro .0015% Diethylstilbestrol Mix in SureCattle 32
Larro Medicated Poultry SureLift
Larro Medicated SureLift
Larro Medicated SureMilk Keto-Kurb
Larro Medicated SurePoult Pre-Starter (FRZ-AGS)
Larro Medicated SureStart (AGS)
Larro Medicated SureTurk Grower Complete (.0495 ENH)
Larro Poultry SureHatch 38
Larro Poultry SureHatch 38 (.011 FRZ) Medicated
Larro Poultry SureHatch Complete "H-E"
Larro Poultry SureHatch Complete "H-E" (.00275 FRZ) Medicated
Larro Poultry SureHatch "H-E"
Larro Poultry SureHatch "H-E" (.0055 FRZ) Medicated
Larro Scratch Grains
Larro SureBeef 50
Larro SureBroiler 42
Larro SureBroiler 42 (NCB-AGS) Medicated
Larro SureBroiler Caponette 20 (NCB-AGS) Medicated
Larro SureBroiler Finisher
Larro SureBroiler Finisher (NCB-AGS) Medicated
Larro SureBroiler Finisher 23 (NCB-AGS) Medicated
Larro SureBroiler Finisher 41
Larro SureBroiler Finisher 41 (NCB-AGS) Medicated
Larro SureBroiler Starter (NCB-AGS) Medicated
Larro SureBroiler Starter 26 (NCB-AGS) Medicated
Larro SureBroiler Starter 41
Larro SureBroiler Starter 41 (NCB-AGS) Medicated
Larro SureCalf
Larro SureCalf Mixer
Larro SureCattle 32
Larro SureChick
Larro SureChick (NCB) Medicated

GENERAL MILLS, INC., Larrowe Region, 15800 W. McNichols Rd., Detroit, Mich. - Cont.

Larro SureChick 38 (NCB) Medicated
Larro SureDuck
Larro SureDuckling
Larro SureFat No. 1
Larro SureGrow Complete "H-E"
Larro SureGrow Complete "H-E" (NCB) Medicated
Larro SureLay 26
Larro SureLay 26 (.00825 FRZ) Medicated
Larro SureLay 38
Larro SureLay 38 (.011 FRZ) Medicated
Larro SureLay Cage
Larro SureLay Cage (.00275 FRZ) Medicated
Larro SureLay Complete "H-E"
Larro SureLay Complete "H-E" (.00275 FRZ) Medicated
Larro SureLay "H-E"
Larro SureLay "H-E" (.0055 FRZ) Medicated
Larro SureMilk 14
Larro SureMilk 16
Larro SureMilk 20
Larro SureMilk 24
Larro SureMilk 32
Larro SureMilk 50
Larro SurePig (AGS) Medicated
Larro SurePig (AGS-HYG) Medicated
Larro SurePork 35
Larro SurePork 35 (HYG) Medicated
Larro SurePork Grower Complete (AGS) Medicated
Larro SurePork Grower Complete (AGS-HYG) Medicated
Larro SurePork Super 40
Larro SurePork Super 40 (AGS) Medicated
Larro SurePork Super 40 (AGS-HYG) Medicated
Larro SurePork Super 40 (HYG) Medicated
Larro SurePoult
Larro SurePoult 38
Larro SurePoult (CBS) Medicated
Larro SurePoult (SQ) Medicated
Larro SurePoult Pre-Starter (AGS) Medicated
Larro SurePoult Pre-Starter (CBS) Medicated
Larro SurePoult Pre-Starter (SQ-AGS) Medicated
Larro SureRabbit Medicated
Larro SureRaise
Larro SureSow 35
Larro SureTasty 16 Pellets
Larro SureTurk
Larro SureTurk (CBS) Medicated
Larro SureTurk 38
Larro SureTurk Finisher Complete
Larro SureTurk Finisher Complete (CBS) Medicated
Larro SureTurk Fryer Complete (CBS) Medicated
Larro SureTurk Grower Complete
Larro SureTurk Grower Complete (CBS) Medicated
Larro SureVeal
Larro Turkey SureHatch
Larro Turkey SureHatch 38
Larro Turkey SureHatch Complete
Larro Wormer

GLOUCESTER BY-PRODUCTS, INC., Gloucester, Mass.

Globpro Brand 60% Protein Fish Meal

GOLDENROD OIL MEAL SALES CO., Memphis, Tenn.

Goldenrod Brand 41% Protein Cottonseed Meal Prime Quality

W. R. GRACE & CO., Grace Chemical Div., 501 Home Federal Bldg., Memphis, Tenn.

Grace Micro Prilled Urea Feed Compound

D. H. GRANDIN MILLING CO., Jamestown, N. Y.

Grandin's 14 Fitting Ration
Grandin's Horse Feed
Grandin's Intermediate Chick Grains
Grandin's Laying Mash
Grandin's 20 Milk Maker
Grandin's Rabbit Pellets
Grandin's Start-To-Finish
Grandin's 18 Test Ration
Grandin's 14% Twin Six Dairy Ration

GRAND ISLAND CITRUS COOPERATIVE, Umatilla, Fla.

Golden Gems Dried Citrus Pulp
Golden Gems Sweet Dried Citrus Pulp

THE GREAT ATLANTIC & PACIFIC TEA CO., 817-512 Nicollet Bldg., Minneapolis, Minn.

Daily Egg Laying Mash
Daily Growth Chick Starter
Daily Growth Fine Chick Feed
Daily Growth Growing Mash

GREEN ACRE FARMS, Nazareth, Pa.

Green Acre's Brand 17% Dehydrated Alfalfa Meal

HAFFENREFFER & CO., 30 Germania St., Boston, Mass.

Haffenreffer & Company's Brewers' Dried Yeast

HALES & HUNTER CO., 141 W. Jackson Blvd., Chicago, Ill.

Big-R-Buy 16 Dairy
Pioneer Bulky Mix
Pioneer Bull Feed
Pioneer Calf Starter
Pioneer Dairy Fitting Feed
Pioneer Dairy Production 16
Pioneer Dairy Production 18
Pioneer Dry & Freshening
Pioneer Greeno
Pioneer Hog Finisher
Pioneer Horse Feed
Pioneer Pelleted Flaked 15 Dairy
Pioneer Pig Gro-Pel Medicated
Pioneer Rabbit Pellets
Pioneer Sup-Pel Pellets
Pioneer Sup-R-Flo Dairy Pellets 16
Pioneer Sup-R-Flo Dairy Pellets 18

HALES & HUNTER CO., 141 W. Jackson Blvd., Chicago, Ill. - Cont.

Pioneer Sup-R-Flo Dry & Freshening Dairy Pellets
Pioneer Vig-R-Calf
Red Comb Breeder Mash
Red Comb Broiler Finisher Z3 Medicated
Red Comb Broiler Starter Z3 Medicated
Red Comb C Flakes
Red Comb Chick Starter
Red Comb Complete Breeder
Red Comb Complete Grower
Red Comb Complete Layer
Red Comb Complete Turkey Grower
Red Comb Duck Grower
Red Comb Duck Starter
Red Comb Egg Mash
Red Comb Growing Mash
Red Comb Growing Mash Z Medicated
Red Comb Medicated Sup-Pel
Red Comb Pullet Developer
Red Comb Scratch Feed
Red Comb Turkey Finisher
Red Comb Turkey Grower
Red Comb Turkey Starter

HARPER FEED MILLS, Washington, Pa.

Harco Milk Replacer for Young Calves
Warren's Breeder Mash (Mfd. for Wm. S. Warren & Son, Eastford, Conn.)
Warren's Complete Breeder Mash (Mfd. for Wm. S. Warren & Son, Eastford, Conn.)
Warren's Complete Growing Mash (Mfd. for Wm.S. Warren & Son, Eastford, Conn.)
Warren's Complete Laying Mash & Pellets (Mfd. for Wm. S. Warren & Son, Eastford, Conn.)
Warren's Complete Starting Mash (Mfd. for Wm. S. Warren & Son, Eastford, Conn.)
Warren's 16% Dairy Ration (Mfd. for Wm. S. Warren & Son, Eastford, Conn.)
Warren's 20% Laying Mash (Mfd. for Wm. S. Warren & Son, Eastford, Conn.)
Warren's Test Cow 16% Dairy (Mfd. for Wm. S. Warren & Son, Eastford, Conn.)

HESPENHEIDE & THOMPSON INC., York, Pa.

Premier Scratch Grains

HIGHLAND PRODUCTS, INC., 525 North 4th St., Minneapolis, Minn.

Highland's Hi-Nutra

HOKE OIL & FERTILIZER CO., INC., Raeford, N. C.

HOCO Brand 41% Cottonseed Meal

H. P. HOOD & SONS, INC., 500 Rutherford Ave., Boston, Mass.

Dried Skimmed Milk
Hood Calf Starter
Hood Pep-Lac
Hood Whey-Lac
Powdered Skim Milk

H. P. HOOD & SONS, INC., Dunedin, Florida

Hood Citrus Pulp

THE HUBINGER CO., Keokuk, Iowa

Ke OK uk Brand Corn Gluten Meal
Ke OK uk Brand 21% Protein Corn Gluten Feed

ILLINOIS CEREAL MILLS, INC., Paris, Ill.

Hominy Feed

INDUSTRIAL MOLASSES CORP., 3033 Excelsior Blvd., Minneapolis, Minn.

Dried Beet Pulp

INTERNATIONAL MILLING CO., 1200 Investors Bldg., Minneapolis, Minn.

Blackhawk Wheat Bran with Ground Mixed Screenings
Blackhawk Wheat Standard Middlings with Ground Mixed Screenings
Target Wheat Red Dog

HERMAN ISACS, INC., Bridgeport, Conn.

Hi Test Meat & Bone Meal

KELLOGG SALES CO., Battle Creek, Mich.

Kellogg's Hominy Feed
Kellogg's Kel-Blend
Kellogg's Mink Mix
Kellogg's Mink Ration

SPENCER KELLOGG & SONS, INC., 98 Delaware Ave., Buffalo, N. Y.

Spencer Kellogg's 32% Protein Old Process (Expeller) Linseed Oil Meal
Spencer Kellogg's 44% Protein Soybean Oil Meal Solvent Extracted
Spencer Kellogg's 50% Protein Dehulled Soybean Oil Meal - Solvent Extracted

KENNEL FOOD SUPPLY, Div. Hygrade Food Products Corp., Fairfield, Conn.

KFS Hi-Protein Mink Ration
KFS Rabbit Pellets

KEYSTONE DEHYDRATORS, Nazareth, Pa.

Keystone Super Green Dehydrated Alfalfa Meal with BHT
Keystone Super Green Dehydrated Alfalfa Meal with Santoquin in Vegetable Fat Product

KRAFT FOODS, Div. National Dairy Products Corp., 99 Park Ave., New York, N. Y.

(See also Vitamin Carriers)

Kaff-A Booster Pellets
Kaff-A Milk Replacer for Calves Medicated
Kraco Dried Whole Whey
Pex Condensed for Poultry
Pex Self Feeder Block for Broilers
Pex Self Feeder Block for Layers & Breeders
Pex Self Feeder Block for Poultry
Pex Self Feeder Whey Block for Poultry

CHAS. A. KRAUSE MILLING CO., 404 E. State St., Milwaukee, Wis.

Badger Yellow Hominy Feed

KUDER PULP SALES CO., Lake Alfred, Fla.

Kuder Dried Citrus Pulp, High Sugar

LAKE STATE YEAST & CHEMICAL, Div. of Rhinelander Paper Co., Rhinelander, Wis.

Dried Torula Yeast

LAUHOFF GRAIN CO., Danville, Ill.

Vermilion Hominy Feed

LAUHOFF SOYA CO., Danville, Ill.

44% Protein Solvent Extracted Soybean Oil Meal

LIBBY, McNEILL & LIBBY, 200 So. Michigan Ave., Chicago, Ill.

Headliner Dried Citrus Pulp

THE LIBNER GRAIN CO., 25 Commerce St., Norwalk, Conn.

Libner's Blue Ribbon 12% Fitting Ration
Libner's Blue Ribbon Growing Mash with Cod Liver Oil
Libner's Blue Ribbon Horse & Calf Ration
Libner's Blue Ribbon Milk Egg Mash with Cod Liver Oil
Libner's 20% Milk Flow Dairy Ration

L. B. LOVITT & CO., Memphis, Tenn.

"Lovit Brand" 41% Protein Cottonseed Meal Prime Quality

MACHNICKI'S GRAIN STORE, Jewett City, Conn.

Machnicki's Hi-Energy All-Mash Layer
Master Made Hi-Calorie Broiler Finisher Medicated

MAINE REDUCTION CO. INC., Brooks, Maine

Poultry By Products Meal

MAK MOR CORP., P.O. Box 123, Clinton, Mass.

Mak Mor Morea (R) M-30

THE MANITOBA SUGAR CO., Winnipeg, Manitoba, Canada

(Registered by Mowat, Wilson & Co., Detroit, Mich.)

Dried Beet Pulp
Molasses Dried Beet Pulp

MAPLE LEAF MILLING CO., Ltd., Toronto, Ontario, Canada

(Registered by Wirthmore Feeds Inc., Waltham, Mass.)

Rex Wheat Bran
Rex Wheat Standard Middlings

MARION MILLING CO., Marion, Ohio

Cloverleaf Wheat Middlings & Ground Wheat Screenings

MARITIME MILLING CO., INC., 200 Corn Exchange Bldg., Buffalo, N. Y.

B-B 16% Dairy Ration
B-B Green Acres 14%
Ma-Co Complete Breeder Ration Medicated 975-AR
Ma-Co Complete Grower & Layer Ration Medicated 1025-AR
Ma-Co Complete Grower & Layer Ration Medicated 1025-ARZ
Ma-Co Pullet Developer Feed Medicated 1005-ARZ
Ma-Co Wormer Crumbles 980-P
Marmico 16% Protein Dairy Feed
Super Ma-Co Breeder Mash
Super Ma-Co Broiler Finishing Ration Medicated 810-AR-N
Super Ma-Co Broiler Ration Medicated 800-AR-N
Super Ma-Co Complete Breeder Ration Medicated 845-AR
Super Ma-Co Complete Chick Starter Ration Medicated 805-AR
Super Ma-Co Complete Chick Starter Ration Medicated 805-ARZ
Super Ma-Co Complete Growing & Laying Ration 18% Medicated 815-AR
Super Ma-Co Complete Growing & Laying Ration 18% Medicated 815-AR-F
Super Ma-Co Complete Growing & Laying Ration 18% Medicated 815-ARZ
Super Ma-Co Complete Turkey Breeder Ration Medicated 910-H
Super Ma-Co Complete Turkey Growing Ration Medicated 905-H
Super Ma-Co Complete Turkey Starter Ration Medicated 900-AR-S
Super Ma-Co Egg Mash
Super Ma-Co Growing Mash Medicated 820-N
Super Ma-Co Medicated Stress-Aid Ration 970-A-2-F
Super Ma-Co Medicated Stress-Aid Ration 970-A-3-F
Super Ma-Co Stress-Aid Ration Medicated 970-A-1

MAXON MILLS, INC., Wassaic, N. Y.

Maxon 16% Dairy
Maxon 18% Dairy
Maxon 14% Fitting
Maxon 16% Test
Maxon 18% Test

McCABE GRAIN CO. LTD., 409 Grain Exchange Bldg., Winnipeg, Canada

Ground Mixed Screenings

McMILLEN FEED MILLS, 300 Ft. Wayne Bank Bldg., Ft. Wayne, Ind.

Master Made Hi-Calorie All Mash Layer 215-03A
Master Mix All Mash Pullet Developer
Master Mix All Mash Pullet Grower 135-21D Medicated
Master Mix All Mash Turkey Grower 421
Master Mix Beef Concentrate
Master Mix Bulky Feed
Master Mix Calflac
Master Mix Calf-Mixer
Master Mix Calf Starter
Master Mix Chick Concentrate 153-21B Medicated
Master Mix Chick Starter 103-21D Medicated
Master Mix Complete Rabbit Pellets
Master Mix Complete Turkey Finisher
Master Mix Dairy Developer Concentrate 651
Master Mix 14% Dairy Feed
Master Mix 16% Dairy Feed
Master Mix 20% Dairy Feed
0.0011% Diethylstilbestrol Mix Inc. in Master Mix Beef Concentrate (37A)
0.0011% Diethylstilbestrol Mix Inc. in Master Mix Beef Concentrate (45A)
Master Mix Egg Concentrate
Master Mix Egglac Pellets

McMILLEN FEED MILLS, 300 Ft. Wayne Bank Bldg., Ft. Wayne, Ind. - Cont.

Master Mix Egg Mash
Master Mix Fitting Feed
Master Mix Flaked Soybean Hulls
Master Mix Hi-Calorie All Mash Layer
Master Mix Hi-Calorie Breeder Concentrate
Master Mix Hi-Calorie Broiler Finisher Concentrate
Master Mix Hi-Calorie Broiler Starter 307-77L Medicated
Master Mix Hi-Calorie Broiler Starter Concentrate 351-77M Medicated
Master Mix Hi-Calorie 17% Egglac Pellets
Master Mix Hi-Calorie 17% Egglac Pellets (41B) Medicated
Master Mix 35% Hog Concentrate
Master Mix Horse Feed
Master Mix Master Blend Dairy Concentrate
Master Mix Medicated Biofeed 100 (91A)
Master Mix Medicated Biofeed 200 (89A)
Master Mix Prime Finisher 77B Medicated
Master Mix Sweet 16% Dairy
Master Mix Sweet Flakes

MEAD JOHNSON & CO., Pablum Products Div., Evansville, Ind.

XT No. 58

MEECH & STODDARD, INC., 76 No. Main St., Middletown, Conn.

M & S Economy Dairy Feed
Quality Brand Complete Grower & Layer
Red Wing Calf Starter & Grower
Red Wing 16% Dairy Feed
Red Wing Fitting Ration
Red Wing Growing Mash
Red Wing Horse Feed
Red Wing Laying Mash
Red Wing Pig & Hog Feed
Red Wing Rabbit Pellets
Red Wing Starting Mash
Red Wing Stock Feed
Special Balance Growing Mash
Special Balance High Efficiency Complete Growing Mash
Special Balance High Efficiency Complete Laying Mash
Special Balance Laying Mash
Special Balance Needy-Pen Antibiotic Laying Mash

MILLER ALFALFA CO., Mark Center, Defiance, Ohio

Miller's Choice Brand Dehydrated Alfalfa Meal 17%

MINER-HILLARD MILLING CO., Wilkes-Barre, Pa.

Choice Steam Cooked Hominy Feed

MINUTE MAID CORP., P.O. Box 720, Leesburg, Fla.

Golden Isle Citrus Pulp

MOLSON'S BREWERY, LTD., Montreal, Canada

Molson's Brewers Dried Grains

GEO. Q. MOON & CO. INC., Binghamton, N. Y.

Moon Complete Growing Mash
Moon Complete Laying Mash
Moon Dairy Fitting Ration
Moon Growing Mash
Moon Hog Feed
Moon Horse Feed
Moon Laying Mash
Moon Rabbit Pellets
Moon Scratch Feed
Moon Starter Mash

THE EMORY MORSE CO., Guilford, Conn.

OLD GUILFORD Rabbit Pellets

MOWAT, WILSON & CO., Detroit 35, Mich.

Dried Beet Pulp
Dried Beet Pulp (Mfd. by Manitoba Sugar Co., Manitoba, Canada)
Molasses Dried Beet Pulp (Mfd. by Manitoba Sugar Co., Manitoba, Canada)
Dried Beet Pulp and Feeding Beet Molasses

NAPOLEON ALFALFA MILLS, INC., Napoleon, Ohio

17% Dehydrated Alfalfa Meal, Evergreen Brand

NATIONAL ALFALFA DEHYDRATING & MILLING CO., Lamar, Colo.

Krumbles
National 20% Dehydrated Alfalfa Meal (Broiler Layer Grade)
National 15% Protein Dehydrated Alfalfa Meal
National 17% Protein Dehydrated Alfalfa Meal

NATIONAL BISCUIT CO., Toledo Mill, 2221 Front St., Toledo, Ohio

Namico
Pure Wheat Bran

NATIONAL DISTILLERS PRODUCTS CO., Div. of National Distillers & Chemical Corp., 99 Park Ave., New York, N.Y.

Corn Distillers Dried Grains
Nadrisol Brand Corn Distillers Dried Solubles
Produlac Brand Corn Distillers Dried Solubles with Grains

NEW JERSEY FLOUR MILLS CO., 1-11 Chester St., Clifton, N. J.

Clifton Wheat Bran

NEWTON CONCENTRATES, P.O. Box 430, Albany, N. Y.

Newton Bovine Concentrates (Sweet Fourteen)
Newton Bovine Concentrates (Sweet Super)
Newton Bovine Fitting & Fattening Concentrates
Newton Bovine (Super) Concentrates
Newton Green Roughage Concentrates

NOPCO CHEMICAL CO., 60 Park Place, Newark, N. J.

(<u>See also</u> Vitamin Carriers)

Hi-Lay Premix Code DDA
Nopdex "3000"

NORTHERN OHIO SUGAR CO., 1530 Sixteenth St., Denver, Colo.

GW Dried Beet Pulp
GW Dried Molasses Beet Pulp

OGDEN GRAIN CO., Utica, N. Y.

Ogden Big "O" Hi-Energy Laying Mash Medicated
Ogden Broiler Finisher Feed Medicated
Ogden Chick Feed
Ogden Complete Chick Starter
Ogden Complete Grower
Ogden Complete Layer
Ogden Developer Feed
Ogden Growing Mash
Ogden Hi-Energy Breeder Mash
Ogden Hi-Energy Growing Mash
Ogden Hi-Energy Laying Mash
Ogden Hi-Energy Starter & Broiler Medicated
Ogden Horse Feed
Ogden Laying Mash
Ogden Milk Replacement
Ogden Poultry & Turkey Fitting Ration
Ogden Premium 14% Fitting Ration
Ogden Premium 18% Test Cow Ration
Ogden Rabbit Pellets
Ogden Reliable 16% Dairy Feed
Ogden Reliable 20% Dairy Feed
Ogden Reliable Fitting Feed
Ogden Scratch Grains
Ogden Super Hi-Energy Laying Mash
Ogden Super Pig Ration

PABST BREWING CO., Merchandise Mart, Chicago, Ill.

Pabst Blue Ribbon Brewers Dried Grains
Pabst Yellow Hominy Feed

THE PARK & POLLARD CO., INC., Buffalo 2, N. Y.

Hi-Prime Complete Turkey Finisher
Hi-Prime Complete Turkey Grower Medicated 330-AR
Hi-Prime Complete Turkey Grower Medicated 330-H
Hi-Prime Turkey Starter Medicated 300-AR-S
Hi-Prime Turkey Starter Medicated 300-H
Lay or Bust Complete Breeder
Lay or Bust Complete Chick Starter Medicated 225-ARZ
Lay or Bust Complete Grower & Layer
Lay or Bust Complete Grower & Layer Medicated 230-ARZ
Lay or Bust Growing & Laying Mash
Lay or Bust Growing & Laying Mash Medicated 205-ARZ
Lay or Bust Hi-Valu Pellets
Medicated Lay or Bust D-Wormer Crumbles 165-P
Milk-Maid Calf Starter
Milk-Maid 16% Dairy Ration
Milk-Maid 18% Dairy Ration
Milk-Maid 20% Dairy Ration
Milk-Maid Dri-Fresh Fitting Ration
Milk-Maid Milk Replacer
Milk-Maid 14% Test Ration
Milk-Maid 18% Test Ration
Park & Pollard Go-Tu-It Pig Grower

THE PARK & POLLARD CO., INC., Buffalo 2, N. Y. - Cont.

Park & Pollard Go-Tu-It Pig Grower Medicated 560-AR
Park & Pollard Go-Tu-It Pig Starter Medicated 555-AR
Park & Pollard Hi-Speed Horse Feed
Park & Pollard Rabbit Pellets
Red Ribbon 16% Dairy Ration
Super Hi-Power Broiler Finisher Medicated 125-AR-N
Super Hi-Power 24% Broiler Ration Medicated 120-AR-N
Super Lay or Bust All-Mash Breeder Medicated 140-AR
Super Lay or Bust All-Mash Grower & Layer Medicated 130-AR
Super Lay or Bust All-Mash Grower & Layer Medicated 130-ARZ
Super Lay or Bust Chick Starter Medicated 100-ARZ
Super Lay or Bust Egg Mash
Super Lay or Bust Growing Feed
Super Lay or Bust Growing Feed Medicated 105-ARZ

PASCO PACKING CO., Dade City, Fla.

OMIO Citrus Pulp
Sugar Sweet Citrus Pulp

PATENT CEREALS CO., Geneva, N. Y.

Hominy Feed

PENICK & FORD LTD. INC., Cedar Rapids, Iowa

Douglas Corn Gluten Meal
21% Douglas Corn Gluten Feed

PENNSYLVANIA HIDE & RENDERING CO., Div. of Van Iderstine Co., 917 Middle St., Scranton, Pa.

Pennsylvania Meat & Bone Scraps

THE PHILADELPHIA SEED CO., INC., Philadelphia 5, Pa.

Pigeonetts by PURGRAIN

PIERCE FEED CO., INC., Brooklyn, Conn.

Pierce Complete Breeder
Pierce Complete Layer
Pierce 22% Layer

THE PILLSBURY CO., Minneapolis, Minn.

Pillsbury's XX Daisy
Pillsbury's Hard Wheat Bran with Ground Wheat Screenings not Exceeding Mill Run
Pillsbury's Wheat Germ Meal
Pillsbury's Wheat Standard Middlings with Ground Wheat Screenings not Exceeding Mill Run

PILLSBURY of CANADA LTD., Midland, Ontario, Canada

Dandy Wheat Bran

PITTSBURGH PLATE GLASS CO., Red Wing, Minn.

Red Wing 34% Protein Solvent Extracted Linseed Oil Meal

THE QUAKER OATS CO., Merchandise Mart Plaza, Chicago, Ill.

Ful-O-Pep Calf Ration
Ful-O-Pep Calf Starter
Ful-O-Pep Chick Starter
Ful-O-Pep Chick Starter (Q2)
Ful-O-Pep Derwood Horse Crunch
Ful-O-Pep Egg Breeder Mash
Ful-O-Pep Egg Breeder Ration
Ful-O-Pep Egg Ration
Ful-O-Pep Goat Feed
Ful-O-Pep Gro-Pork (280K)
Ful-O-Pep Growing Mash
Ful-O-Pep Growing Mash (Q3)
Ful-O-Pep Growing Ration
Ful-O-Pep Growing Ration (Q1)
Ful-O-Pep High Sweet Blend L
Ful-O-Pep Horse Feed
Ful-O-Pep Laying Mash
Ful-O-Pep Laying Ration
Ful-O-Pep Medicated Super Greens Pellets (C2D1)
Ful-O-Pep Milking Feed
Ful-O-Pep Pig-N-Sow Ration
Ful-O-Pep Pig Starter (KP)
Ful-O-Pep Poultry Wormer
Ful-O-Pep Pullet Developer
Ful-O-Pep Pullet Developer (Q1)
Ful-O-Pep Rabbit Ration (C4)
Ful-O-Pep Scratch Grains
Ful-O-Pep Super Egg Breeder Ration (A)
Ful-O-Pep Super Greens Pellets
Ful-O-Pep Super Laying Ration (A)
Ful-O-Pep Sweet 20 Dairy Feed
Muffets Shredded Wheat Feed
Quaker Sugared Schumacher Feed
Vim Oat Mill By-Product
Yellow Hominy Feed

QUAKER OATS CO. of CANADA LTD., Peterborough, Ontario, Canada

Bell Cow Wheat Bran

RALSTON PURINA CO., 835 S. Eighth St., St. Louis, Mo.

Checkerboard Pasture Ration
Corn & Oat Provender
Dairy Premix 36%
Northeastern Scratch Feed
Northeastern Scratch Feed (For Pullets)
36% Protein Cottonseed Meal
41% Protein Cottonseed Meal
44% Protein Solvent Extracted Soybean Oil Meal
Purina B & M Cow Chow D
Purina Baby Pig Chow F Medicated
Purina Breeder Lay Chow E
Purina Breeder Layena (Complete Ration) E
Purina Broiler Chow Medicated
Purina Broiler Chow 3 NC Medicated
Purina Broiler Chow UN Medicated
Purina Broiler Chow Finisher E Medicated
Purina Broiler Chow Finisher (E) AB Medicated
Purina Broiler Chow Finisher (E) AB BF Medicated

RALSTON PURINA CO., 835 S. Eighth St., St. Louis, Mo. - Cont.

Purina Broiler Chow Finisher (E) AB NC Medicated
Purina Broiler Chow Finisher (E) 3 NC Medicated
Purina Broiler Chow Finisher (E) NON
Purina Broiler Chow Finisher (E) UN Medicated
Purina Broiler Chow Starter E Medicated
Purina Broiler Chow Starter (E) AB BF Medicated
Purina Broiler Chow Starter (E) AB NC Medicated
Purina Broiler Chow Starter (E) 3 NC Medicated
Purina Broiler Chow Starter (E) UN Medicated
Purina Broiler Fattener E
Purina Bulky Las
Purina Calf Startena
Purina Capena 3 NC Medicated
Purina Capena UN Medicated
Purina Chick Chow (Coarse)
Purina Chick Chow (Fine)
Purina Chicken Fatena Checkers E
Purina Chick Growena
Purina Chick Growena NC Medicated
Purina Chick Growena UN Medicated
Purina Chick Growing Chow
Purina Chick Startena Medicated
Purina Chick Startena NC Medicated
Purina Complete Sow Chow
Purina Cow Chow Concentrate
Purina Cow Chow D 16%
Purina Cow Chow D 20%
Purina Cow Chow Supplement
Purina D & F Chow
Purina D & F Chow (Coarse)
Purina Dairy Chow L 16%
Purina Dienestrol Diacetate in Purina Broiler Chow Finisher E Medicated
Purina Dienestrol Diacetate Mixture in Purina Broiler Chow Finisher (E) BF Medicated
Purina Dienestrol Diacetate Mixture in Purina Roaster Chow (E) BF Medicated
Purina Dienestrol Diacetate Mixture in Purina Roaster Chow (E) NC Medicated
Purina .0011% Diethylstilbestrol Mix in Purina Special Steer Fatena 32%
Purina Duck Breeder Layena
Purina Duck Growena
Purina Egg Chow
Purina Eggena
Purina Fitting Ration
Purina Fox Chow
Purina Fox Chow (Without Meat Meal)
Purina Game Bird Breeder Layena (Complete Ration)
Purina Game Bird Growena
Purina Game Bird Startena
Purina Goat Chow
Purina Goat Chow (Special)
Purina Guinea Pig Chow
Purina Hog Fatena Medicated
Purina Hog Finisher No. 1 Medicated
Purina Lamb Creep Chow
Purina Lay Chow E
Purina Layena (Complete Ration) E
Purina Meat Pullet Fattening Chow BF Medicated

RALSTON PURINA CO., 835 S. Eighth St., St. Louis, Mo. - Cont.

Purina Meat Pullet Fattening Chow NC Medicated
Purina Medicated Chek-R-Aid
Purina Medicated D & F Chow D
Purina Medicated D & F Chow D (Coarse)
Purina Medicated Mix-R-Mycin
Purina Medicated Poultry Aid
Purina Milk Chow D 16%
Purina Milk Chow D 16% (Coarse)
Purina Milk Chow D 20%
Purina Milk Chow D 20% (Coarse)
Purina Mink Breeder Chow
Purina Mink Developer Chow
Purina Nursing Chow
Purina OF Broiler Chow Finisher V Medicated
Purina OF Broiler Chow Finisher (V) AB Medicated
Purina OF Broiler Chow Finisher (V) AB BF Medicated
Purina OF Broiler Chow Finisher (V) 3 NC Medicated
Purina OF Broiler Chow Finisher (V) UN Medicated
Purina OF Broiler Chow Starter V Medicated
Purina OF Broiler Chow Starter (V) AB BF Medicated
Purina OF Broiler Chow Starter (V) 3 NC Medicated
Purina OF Broiler Chow Starter (V) UN Medicated
Purina Omolene
Purina Pigeon Chow Checkers
Purina Pig-Plus Medicated
Purina Pig Startena Medicated
Purina Poultry Booster Chow
Purina Poultry Wormer
Purina Pullet Developer
Purina Pullet Developer NC Medicated
Purina Pullet Developer UN Medicated
Purina Rabbit Chow Checkers (20%)
Purina Rabbit Chow Checkers (Complete Ration)
Purina Rabbit Chow Checkers (Complete Ration) SQ Medicated
Purina Rabbit Chow Checkers NF SQ (Complete Ration) Medicated
Purina Rabbit Chow Checkers WO
Purina Range Checkers
Purina Roaster Chow E
Purina Roaster Chow (E) NC Medicated
Purina Roaster Chow (E) UN Medicated
Purina Rolled Oats (Steam Cooked)
Purina Special Steer Fatena 32%
Purina Squab Broiler Chow 3 NC Medicated
Purina Squab Broiler Chow UN Medicated
Purina Super Breeder Layena (Complete Ration)
Purina Super Layena (Complete Ration)
Purina Turkey Breeder Layena
Purina Turkey Breeder Layena HZ Medicated
Purina Turkey Broiler Finisher
Purina Turkey Fatena
Purina Turkey Fatena HZ Medicated
Purina Turkey Fatena SQ Medicated
Purina Turkey Finisher No. 1
Purina Turkey Finisher No. 1 HZ Medicated
Purina Turkey Finisher No. 2
Purina Turkey Finisher No. 2 HZ Medicated
Purina Turkey Growena No. 1
Purina Turkey Growena No. 1 HZ Medicated
Purina Turkey Growena No. 1 SQ Medicated

RALSTON PURINA CO., 835 S. Eighth St., St. Louis, Mo. - Cont.

Purina Turkey Growena No. 2
Purina Turkey Growena No. 2 HZ Medicated
Purina Turkey Growena No. 2 SQ Medicated
Purina Turkey Pre-Starter
Purina Turkey Startena
Purina Turkey Startena HZ Medicated
Purina Turkey Startena SQ Medicated

READING MILLING CO., INC., Reading, Pa.

Faramel All Mash Grower
Faramel All Mash Layer
Faramel Rabbit Food Pellets

RUSSELL-MILLER MILLING CO., 860 Grain Exchange, Minneapolis, Minn.

Occident Wheat Bran
Occident Wheat Germ Meal
Occident Wheat Mixed Feed with Ground Wheat Screenings not Exceeding Mill Run or 8%
Occident Wheat Red Dog
Occident Wheat Standard Middlings with Ground Wheat Screenings not Exceeding Mill Run or 8%

SALADA SHIRRIFF HORSEY, INC., W. Haines St., Plant City, Fla.

Horsey Brand Dried Citrus Pulp

WOLF SAVITSKY & SONS, INC., Foot of White St., Shelton, Conn.

Wolf's Broiler Finisher Medicated
Wolf's Calf Starter
Wolf's Complete Hi-Eff Egg-Breeder Mash Medicated
Wolf's Complete Hi-Eff Growing Mash
Wolf's Complete Hi-Eff Growing Mash Medicated
Wolf's Complete Hi-Eff Profit Builder Medicated
Wolf's Complete Hi-Eff Profit Builder Medicated AR SQ
Wolf's Egg Mash
Wolf's Hi-Speed Starter & Broiler Ration Medicated
Wolf's Horse Feed
Wolf's Performo-Las
Wolf's Pig & Hog Feed
Wolf's Super Hi-Eff Starter & Broiler Ration Medicated
Wolf's Sweetened 14% Dairy Ration
Wolf's Sweetened 16% Dairy Ration
Wolf's Sweetened 18% Dairy Ration
Wolf's Sweetened 20% Dairy Ration
Wolf's Test Cow 12% Dairy Ration
Wolf's Test Cow 16% Dairy Ration

SCHENLEY DISTILLERS, INC., 350 Fifth Ave., New York, N. Y.

Schenley Mark of Merit Corn Distillers Dried Grains with Solubles
Schenley's Soludri Corn Distillers Dried Solubles

SCHOENECK FARMS, INC., Nazareth, Pa.

Schoeneck's Super-Green Dehydrated Alfalfa Meal

SEACOAST PRODUCTS CO., Lewes, Del.

Smith's Lifeline Fish Meal Stabilized with (Food Grade) Butylated-Hydroxy-Toluene

JOSEPH E. SEAGRAM & SONS, INC., Louisville, Ky.

Seagram's Corn Distillers Dried Grains 24%
Seagram's Corn Distillers Dried Grains 26%
Seagram's Corn Distillers Dried Solubles

SEYMOUR GRAIN & COAL CO., 100 Main St., Seymour, Conn.

Miracle Broiler Starter
Miracle Broiler Starter Medicated
Miracle Brood Sow Ration
Miracle 14% Calf Grower
Miracle Dairy 16%
Miracle Fitting Ration
Miracle Hi-Efficiency Grower
Miracle Hi-Energy All Mash Layer
Miracle Hog Finisher Ration
Miracle Horse Feed
Miracle 20% Laying Mash
Miracle Pig Grower
Miracle Scratch Feed
Miracle Starter-Broiler Medicated
Pasture Mix
See-More Milk Dairy Ration 18%
See-More Milk Dairy Ration 20%

THE SHERWIN-WILLIAMS CO., 101 Prospect Ave., N.W., Cleveland, Ohio

Sherwin-Williams 32% Linseed Oil Meal (A Blend of Expeller and Solvent Extracted Meals)
Sherwin-Williams 34% Linseed Oil Meal Solvent Extracted

J. HOWARD SMITH, INC., Port Monmouth, N. J.

Smith's Lifeline Fish Meal

SOUTHERN FRUIT DISTRIBUTORS, Orlando, Fla.

Bluebird Citrus Pulp

A. E. STALEY MANUFACTURING CO., Decatur, Ill.

Staley's 21% Corn Gluten Feed
Staley's Corn Gluten Meal
Staley's Corn Oil Meal
Staley's HI PRO CON 50% Protein Dehulled Solvent Extracted Soybean Oil Meal
Staley's 44% Protein Solvent Extracted Soybean Oil Meal

STANDARD BRANDS INC., 625 Madison Ave., New York, N. Y.

Fleischmann's FIDY Type 36-F Irradiated Dry Yeast
Fleischmann's FIDY Type 142-F Irradiated Dry Yeast

D. A. STICKELL & SONS, INC., Hagerstown, Md.

Stickell's Horse Feed
Su-Pur Pigeon Feed
Su-Pur Rabbit Pellets
Victor Scratch Grains

F. W. STOCK & SONS, INC., Hillsdale, Mich.

Stock's Wheat Bran
Stock's Standard Wheat Middlings

SUNSHINE BISCUITS, INC., Milling Division, Grafton, Ohio

UMC Wheat Bran - Pure Wheat Bran
UMC Wheat Middlings (With Ground Screenings not exceeding Mill Run)

SWIFT & CO., Box 110, Fostoria, Ohio

Swift's 44% Protein Solvent Extracted Soybean Oil Meal
Swift's 50% Protein Soybean Oil Meal

THE T. H. TAYLOR CO. LTD., Chatham, Ontario, Canada

Beaver Wheat Bran
Beaver Wheat Shorts

TOLEDO ALFALFA MILLS, East Toledo, Ohio

Supreme Vit-A-Green Pure Dehydrated Alfalfa Meal

TRI ASSOCIATES, INC., 8500 Pillsbury Ave. South, Minneapolis, Minn.

Tri's Grade A Calf Milk-Replacer

TROPICANA PRODUCTS, INC., Bradenton, Fla.

Tropicana's Sweetest Dried Citrus Pulp

ULTRA-LIFE LABORATORIES, INC., East St. Louis, Ill.

Ultra-Life Broiler-Gro Medicated
Ultra-Life Calf Food Pellets
Ultra-Life High Energy Poultry
Ultra-Life Pig-Gro
Ultra-Life Turkey-Gro

UNITED CO-OPERATIVE FARMERS, INC., 339 Broad St., Fitchburg, Mass.

UCF Calf Meal
UCF Calf Starter
UCF 16% Dairy
UCF 16% (Plus A) Dairy
UCF 18% Dairy
UCF 20% Dairy
UCF Fitting Ration
UCF Grower Medicated
UCF Hi Fi All Mash Grower
UCF Hi NRG All Mash Breeder Medicated
UCF Hi NRG All Mash Grower & Layer Medicated
UCF Hi NRG Broiler Medicated
UCF Hi NRG Broiler Finisher Medicated Nicarbazin, Arsanilic Acid
UCF Hi NRG Broiler Finisher Medicated Nicarbazin, 3-Nitro-4-hydroxyphenylarsonic acid
UCF Hi NRG Broiler Starter Medicated
UCF Hi NRG Broiler Starter Medicated Nicarbazin, Arsanilic Acid
UCF Hi NRG Broiler Starter Medicated Nicarbazin, 3-nitro-4-hydroxyphenylarsonic acid
UCF Hi NRG Starter Medicated
UCF Hi NRG Super Starter
UCF Horse Feed
UCF Layer Medicated
UCF Medicated Booster 100
UCF Medicated Booster 200
UCF Medicated Booster NF 100
UCF Pig & Hog Feed
UCF Succulent Dairy

UNITY FEEDS INC., 177 Milk St., Boston, Mass.

Unity Broiler Maker Medicated
Unity Broiler Starter Medicated
Unity Bulky Mix Ration
Unity Dairy & Fitting Ration
Unity 16% Dairy Ration
Unity Growing & Laying Mash
Unity High Energy Laying Mash
Unity Medicated Hen-Biotic
Unity Pig & Hog Ration
Unity Roaster Maker Pellets Medicated
Unity Super Starter Medicated
Unity Trim Medicated
Unity Turkey & Game Bird Growing Mash

UNIVERSAL GRAIN CO. of NEW JERSEY, 425 South St., Newark, N.J.

Superior Cow Brand Dried Brewers Grains

GEORGE URBAN MILLING CO., Buffalo, N. Y.

Registered by The Park & Pollard Co., Buffalo, N. Y.

Wheat Standard Middlings

VEGE FAT, INC., P.O. Box 254, Dupo, Ill.

VegeFat

HIRAM WALKER & SONS, INC., Peoria, Ill.

Corn Distillers' Dried Grains with Solubles

THE WATERTOWN CO-OPERATIVE ASS'N., INC., Watertown, Conn.

Watertown Co-op 16% Dairy

H. K. WEBSTER CO., Lawrence, Mass.

Blue Seal All-Mash Breeder's Ration
Blue Seal All-Mash Egg Ration
Blue Seal All-Mash Grow & Lay
Blue Seal All-Mash Grow & Lay Medicated
Blue Seal All-Mash Growing Ration
Blue Seal All-Mash Growing Ration Medicated
Blue Seal All-Mash Pullet Framer
Blue Seal All-Mash Pullet Framer Medicated
Blue Seal A-5-4 Broiler Medicated
Blue Seal Calf Starter
Blue Seal Chick Feed
Blue Seal Chick Starter Medicated
Blue Seal Coarse 16 Dairy Ration
Blue Seal Coarse 20 Dairy Ration
Blue Seal "30" Dairy Concentrate
Blue Seal Economizer "16" Dairy Ration
Blue Seal Egg Mash
Blue Seal Fat & Finish Ration Medicated
Blue Seal Fat & Finish Ration Medicated 129
Blue Seal A-5-4 Finisher Medicated
Blue Seal Fitting Ration
Blue Seal Flaked 15
Blue Seal Growing Mash
Blue Seal Horse Feed
Blue Seal Medicated Chick Booster

H. K. WEBSTER CO., Lawrence, Mass. - Cont.

Blue Seal Medicated CW-Mix
Blue Seal Medicated NF-Mix
Blue Seal Medicated ORO-Mix
Blue Seal Medicated SQ-Mix
Blue Seal Pig Feed
Blue Seal Pig Feed Medicated
Blue Seal Poultry & Turkey Fitting
Blue Seal Poultry Wormer
Blue Seal Producer's Grow & Lay
Blue Seal Rabbit Pellets
Blue Seal Rabbit Pellets Medicated
Blue Seal Standard 16 Dairy Ration
Blue Seal Standard 20 Dairy Ration
Blue Seal Standard "14" Fitting Ration
Blue Seal Succulent Feed & Calving Ration
Blue Seal Super Breeder's Mash
Blue Seal Sweet Sixteen
Blue Seal Test Ration
Blue Seal Turkey Growing
Sheppard's All-Mash Grow & Lay

WESTERN CONDENSING CO., Box 739, Appleton, Wis.

Peebles' Red Free Choice Feed
Peebles' 10-28 Super Calf-Kit

WEST-NESBITT, INC., Oneonta, N. Y.

All Pure Milk Ration
Cream-Line 16% Dairy Ration
Cream-Line Dairy-Test Ration
Pure Feed Broiler Starter Medicated
Pure Feed Calf Grower
Pure Feed Complete Grower
Pure Feed Complete Layer-Breeder
Pure Feed Complete Rabbit Pellets
Pure Feed 16% Dairy Ration
Pure Feed Dairy-Test Ration
Pure Feed Egg & Breeder
Pure Feed Egg Maker
Pure Feed 14% Fitting Ration
Pure Feed Grower
Pure Feed Horse Ration
Pure Feed Starter
Pure Feed Starter Medicated
Pure Feed Swine Ration
Pure Feed Turkey Finisher
Pure Feed Turkey Grower
Pure Feed Turkey Starter Medicated
West-Nesbitt Milk Replacer

A. C. WETHERELL, Suffield, Conn.

Special Dairy Mixture No. 3

WHITMOYER LABORATORIES, INC., Myerstown, Pa.

(See also Vitamin Carriers)

Flav-A-Dee

WILKINS-ROGERS MILLING CO., INC., 3261 K St. N.W., Washington, D.C.

Washington Coarse Scratch Feed
Washington Laying Mash

WILSON'S CORN PRODUCTS, INC., East 4th St., Rochester, Ind.

Wilson's Hominy Feed

WINTER GARDEN CITRUS PRODUCTS COOPERATIVE, Winter Garden, Fla.

Wholesun Dried Citrus Pulp

WIRTHMORE FEEDS INC., 343 Winter St., Waltham, Mass.

Big W 16% Dairy Feed
Big W 20% Dairy Feed
Big W Silage Preservative
Dienestrol Diacetate, Nicarbazin, Sodium Arsanilate Mixture in Wirthmore Finisher 424
O.P.M. Scratch
Wirthmore All Pellet 14% Dairy Feed
Wirthmore All Pellet 16% Dairy Feed
Wirthmore All Pellet 20% Dairy Feed
Wirthmore Baby Chick Scratch
Wirthmore Breeder Mash
Wirthmore Broiler Starter 407 Medicated
Wirthmore Broiler Starter 410 Medicated
Wirthmore Cage Layer Ration Medicated
Wirthmore Calf Starter Meal
Wirthmore Calving Feed
Wirthmore Chick Starter
Wirthmore Chick Starter 400 Medicated
Wirthmore Chick Starter 401 Medicated
Wirthmore Chick Starter 408 Medicated
Wirthmore Chick Starter 417 Medicated
Wirthmore Coarse Test Dairy Feed
Wirthmore Coccidiosis Treatment Ration 411 Medicated
Wirthmore Commercial Grower Layer
Wirthmore Commercial Hi-Ener-G Broiler Ration 613 Medicated
Wirthmore Commercial High Calorie Broiler Starter 610 Medicated
Wirthmore Complete Breeder-Layer A
Wirthmore Complete Breeder Ration
Wirthmore Complete Egg Ration
Wirthmore Complete Egg Ration 412 Medicated
Wirthmore Complete Growing Ration
Wirthmore Complete Growing Ration 409 Medicated
Wirthmore Complete Turkey Breeder Ration
Wirthmore Complete Turkey Fattening Ration
Wirthmore Complete Turkey Fattening Ration 443 Medicated
Wirthmore Complete Turkey Growing Ration
Wirthmore Complete Turkey Growing Ration 442 Medicated
Wirthmore 14 Dairy Feed
Wirthmore 16 Dairy Feed
Wirthmore 20 Dairy Feed
Wirthmore 16 Dairy Fine Feed
Wirthmore 20 Dairy Fine Feed
Wirthmore 14 Dairy Fitting Feed
Wirthmore 36% Dairy Mixing Feed
Wirthmore 16 Dairy Record Feed
Wirthmore 18 Dairy Record Feed
Wirthmore 30 Dairy Supplement
Wirthmore 32 Dairy Supplement

WIRTHMORE FEEDS INC., 343 Winter St., Waltham, Mass. - Cont.

Wirthmore Fodder Greens
Wirthmore Game Bird Grower Ration
Wirthmore Game Bird Starter 480 Medicated
Wirthmore Green Mountain 14
Wirthmore Green Mountain 16
Wirthmore Green Mountain 20
Wirthmore Grow & Egg Mash
Wirthmore Grow & Egg Mash 415 Medicated
Wirthmore Hi-Ener-G 16
Wirthmore Hi-Ener-G 16 456 Medicated
Wirthmore Hi-Ener-G 16 Medicated ARSAN
Wirthmore Hi-Ener-G Breeder
Wirthmore Hi-Ener-G Breeder Medicated ARSAN
Wirthmore Hog Grower
Wirthmore Horse Feed
Wirthmore Improved Hi-Ener-G Broiler Ration 404 Medicated
Wirthmore Improved Hi-Ener-G Broiler Ration 414 Medicated
Wirthmore Improved Hi-Ener-G Starter & Broiler Ration
Wirthmore Meatless Mink Food
Wirthmore Medicated 200
Wirthmore Medicated Broiler Perk
Wirthmore Medicated Ketrol
Wirthmore Medicated Pig Zip
Wirthmore Medicated Quickies
Wirthmore Medicated Rabbit Pellets
Wirthmore Medicated Treat
Wirthmore Medicated Turk-E-Perk
Wirthmore Mink Food
Wirthmore New Hope Horse Feed
Wirthmore Pig & Sow Feed
Wirthmore Pig & Sow Feed 520 Medicated
Wirthmore 36% Poultry Concentrate
Wirthmore Poultry Fitting
Wirthmore Poultry Flush
Wirthmore Poultry Wormer
Wirthmore Rabbit Pellets
Wirthmore 14 Record Fitting Feed
Wirthmore Roaster Finisher 425 Medicated
Wirthmore Roaster Finisher 426 Medicated
Wirthmore Scratch
Wirthmore Stock Primer
Wirthmore Super Layer Ration 458 Medicated
Wirthmore Super Pellets
Wirthmore Turkey Growing Ration
Wirthmore Turkey Growing Ration 433 Medicated
Wirthmore Turkey Growing Ration 441 Medicated
Wirthmore Turkey Starter 419 Medicated
Wirthmore Twin-Mix Calf Feed

WIRTHMORE STORE, 560 Grand Ave., New Haven, Conn.

Davis 16% Dairy Ration
Davis Horse Feed

THE YANTIC GRAIN & PRODUCTS CO., 3 Cove St., Norwich, Conn.

(See also Vitamin Carriers)

Big Y Breeder Mash
Big Y Calf & Beef Ration

THE YANTIC GRAIN & PRODUCTS CO., 3 Cove St., Norwich, Conn. - Cont.

Big Y Calf Starter & Builder
Big Y Calving Ration
Big Y Chick Scratch Grain
Big Y Chlortetracycline (Aureomycin) Mixture
Big Y Confinement Growing Mash
Big Y Confinement Growing Mash with Megasul Nitrophenide
Big Y Controlled Growing Ration
Big Y Dairy & Fitting Ration
Big Y Dairy Ration 16%
Big Y 18% Dairy Ration
Big Y 20% Dairy Ration
Big Y Dairy Ration Purity
Big Y 32% Dairy Supplement Feed
Big Y Egg Maker
Big Y Extra Production Laying Mash
Big Y Fitting Ration
Big Y Grower-Layer Mash
Big Y Hi-Efficiency Breeder Ration
Big Y Hi-Efficiency Laying Mash
Big Y High Efficiency Grower
Big Y High Efficiency Grower Medicated Nicarbazin & Arsanilic Acid
Big Y High Efficiency Grower Medicated Sulfaquinoxaline
Big Y Hi-G Dairy Ration
Big Y Hi-G Scratch Feed
Big Y Hog & Pig Ration
Big Y Horse Feed
Big Y Improved Al-Mo
Big Y Improved Broiler Finisher with Nicarbazin
Big Y Improved Broiler & Starter Ration with Nicarbazin
Big Y Improved Finisher
Big Y Improved Turkey Starter & Game Bird Feed
Big Y Improved Turkey Starter & Game Bird Feed with Sulfaquinoxaline
Big Y Intermediate Chick Grain
Big Y 20% Laying Mash
Big Y M & O Growing Feed
Big Y Peerless Broiler & Starter Ration with Nicarbazin
Big Y Poultry Fitting Ration
Big Y Powerhouse Crumbles Medicated
Big Y Pre-Starter Medicated
Big Y Rabbit Pellets
Big Y Scratch Feed
Big Y Sheep & Goat Feed
Big Y Station Fattener Pellets
Big Y Stock Feed
Big Y Starter Ration with Nicarbazin & Arsanilic Acid
Big Y Super Starter Ration with Sulfaquinoxaline
Big Y Supreme Laying Mash
Big Y Test Cow Ration
Big Y Turkey Fattener
Big Y Turkey Fattener with 4-Nitrophenylarsonic Acid
Big Y Turkey Grower with 4-Nitrophenylarsonic Acid
Big Y Turkey Growing Feed
Big Y Worming Mash

YIELDMOR FEEDS, INC., Piqua, Ohio

David Small's Broiler Feed Medicated
David Small's Finishing Feed Medicated
David Small's Growing Mash
David Small's High Efficiency All Mash Breeder Medicated

YIELDMOR FEEDS, INC., Piqua, Ohio - Cont.

Yieldmor Broiler Booster Medicated M-24
Yieldmor 20% Caponette Feed F-20 Medicated
Yieldmor Hi-Energy Layer-Grower Mash C-21
Yieldmor 24% Super Broiler Medicated B-38
Yieldmor 24% Super Broiler Medicated B-44
Yieldmor 24% Super Broiler Medicated B-125
Yieldmor 24% Super Broiler Medicated B-200
Yieldmor 20% Super Finisher Medicated F-40
Yieldmor 20% Super Finisher Medicated F-125
Yieldmor 20% Super Finisher Medicated F-725

MEYER ZAUSNER INC., New Holland, Pa.

Zausner Condensed WholeWhey

VITAMIN CARRIERS

AMERICAN CYANAMID CO., P. O. Box 383, Princeton, N. J.

(See also Feeds)

Pantothenic Acid (PA-45)
Profactor 6 Vitamin B_{12}
Profactor 10

CHEMO PURO MANUFACTURING CORP., 150 Doremus Ave., Newark, N.J.

(See also Feeds)

Chemo Nutrient Premix MGS-3

DAWE'S LABORATORIES, INC., 4800 So. Richmond St., Chicago, Ill.

(See also Feeds)

Dawe's Fermentation Flavonne
Dawe's Vitamelk (Ruminant Type)
Premix No. 1
Premix No. 2
Premix No. 111
Special Broiler Mix No. 571-D

EASTERN STATES FARMERS' EXCHANGE, INC., West Springfield, Mass.

(See also Feeds)

Calfsaver Tablets

THE RAY EWING CO., 2690 E. Foothill Blvd., Pasadena, Calif.

Custom High Energy Pre-Mix

THE FOX CO., Newfield, N. J.

(See also Feeds)

Foxco D-Activated Animal Sterol (Source of Vitamin D_3)
Foxco Flavitein
Foxco Qualadee A & D Feeding Oil
Foxco Vitamin D Feeding Oil
Vitamin 2-4-9-C Supplement

PETER HAND FOUNDATION, 1000 North Ave., Chicago, Ill.

Custom W.M. Plain Premix No. 2717
Custom Roaster Premix No. 2634

KRAFT FOODS, Div. National Dairy Products Corp., 99 Park Ave., New York, N. Y.

(See also Feeds)

Kaff-A Booster Pellets
Kaff-A Milk Replacer for Calves Medicated
Pex Condensed for Poultry
Pex Self Feeder Block for Broilers
Pex Self Feeder Block for Layers & Breeders
Pex Self Feeder Block for Poultry

MARINE PRODUCTS CO., 333 West First St., Boston, Mass.

Vitamin A & D Feeding Oil

MERCK & CO., INC., Rahway, N. J.

No. 752 Feed Supplement
No. 812 Feed Supplement Improved Premix Medicated
Glycamide 12%
FM659 - No. 659 Vitamin Mixture

MYZON, INC., 3129 W. 47th St., Chicago, Ill.

Myzon Formula 62 Poultry Builder
Myzon Poultry Builder
Myzon Swine Builder

NATIONAL VITAMIN PRODUCTS CO., 3401 Hiawatha Ave. So., Minneapolis, Minn.

Calvita Calf Formula

NOPCO CHEMICAL CO., 60 Park Place, Newark, N. J.

(See also Feeds)

Hi-Lay Premix Code DDA
Mix No. 3 - Starter Premix Code DTL
Nopdex "3000" Source of Vitamin D_3
Super Premix Code DMW

CHAS. PFIZER & CO., INC., 11 Bartlett St., Brooklyn, N. Y.

6+ Vitamin B_{12} Supplement
Derby Feeds Poultry Mix
High Lay Premix
R-4

STABILIZED VITAMINS, INC., 142 Monroe St., Garfield, N. J.

Perma-D-1500
Perma-D-15,000
Perma-Mix C.C.C. No. 1
Perma-Mix C.C.C. No. 2
Perma-Mix C.C.C. No. 3
Perma-Mix C.C.C. No. 4

U. S. INDUSTRIAL CHEMICALS CO., 99 Park Ave., New York, N. Y.

U.S.I. Brand Riboflavin Supplement No. 4

VITARON CHEMICAL MFG. CO.,INC., 142 Monroe St., Garfield, N. J.

Vitamin A & D Feeding Oil

WHITMOYER LABORATORIES, INC., Myerstown, Pa.

(See also Feeds)

Flav-A-Dee
Whitcod Pure Cod Liver Oil USP Non Destearinated

THE YANTIC GRAIN & PRODUCTS CO., 3 Cove St., Norwich, Conn.

(See also Feeds)

Big Y Vitamin A & D Feeding Oil

SUMMARY OF INSPECTION

In the calendar year 1959, a total of 1,535 samples was examined. This total included official samples of commercial feeds, carriers of vitamin D and other vitamins, and miscellaneous materials as shown in the following summary:

Biological specimens analyzed for poison	162
Check feeds, A.A.F.C.O.	16
Commercial feeding stuffs, official samples	727
Miscellaneous feeds, etc., analyzed for purchasers	154
Pasture grass, etc., samples for Storrs Station	412
Vitamin carriers	64
	1,535

Samples examined for Storrs Station are in connection with investigations carried on by that Station and are not for discussion in this report.

Commercial Feeding Stuffs

Results of our analyses of the official samples can be summarized as follows:

Total number of samples			727
Samples deficient in:			
one item	77		
two items	18		
four items	1		96
Percentage of samples meeting guaranties			87
Total guaranties made			2,374[2]
Guaranties not met:			
protein		30	
fat		42	
fiber		8	
arsanilic acid		10	
furazolidone		1	
nicarbazin		6	
nitrofurazone-furazolidone		1	
3-nitro-4-hydroxyphenylarsonic acid		5	
4-nitrophenylarsonic acid		1	
phenothiazine		1	
sulfaquinoxaline		6	111
Percentage of guaranties met			95

The proportion of samples meeting all guaranties was half way between the 84 per cent found in 1957 and the 90 per cent of 1958. The overall percentage of satisfactory guaranties has remained substantially constant (between 95 and 96) since 1955.

As was the case last year, one sample of Clyde R. S. 10 (Sample 7353) was found to contain 6 parts per million of DDT and 29 p.p.m.

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[2] Seven samples with six guaranties, 42 with five guaranties, 88 with four guaranties, and 590 with three guaranties (guaranties for antibiotics and other undetermined medicants not included).

of lead derived from its apple pomace constituent; this product was not therefore suitable as a feed for dairy cattle. Two samples of dried apple pomace from the same manufacturer (7352 and 7353) averaged 49 p.p.m. of DDT and 43 p.p.m. of lead.

Analyses are given in Table 1; deficiencies are shown by wavy underlining (~~~). Tolerances used were 0.75 per cent for protein and fiber, 0.25 per cent for fat, and ± 20 per cent of guaranty for drugs and other minor ingredients.

Vitamin Carriers

Forty-nine samples of vitamin D carriers were assayed for this vitamin by official methods, using day-old White Leghorn chicks for poultry feed supplements and white rats of the Osborne-Mendel strain for supplements for four-footed animals. Twenty-six of these samples guaranteed one to three additional vitamins (niacin, riboflavin plus niacin, or riboflavin, niacin and pantothenic acid), and results for these vitamins are included in Table 2 under the respective samples. This table also lists 15 samples which either bore no vitamin D guaranty or were not assayed for this vitamin. Of these, nine were sold as sources of niacin, pantothenic acid and riboflavin and two as sources of niacin, pantothenic acid, riboflavin and thiamine, while one sample each bore claims for: Niacin; niacin plus riboflavin; niacin, riboflavin and thiamine; and riboflavin only.

All except one of the vitamin D samples met their guaranties for this vitamin or came sufficiently close thereto to be passed. This 98 per cent passing ratio had never been reached before last year, when all samples passed. During the entire 23-year period from 1937 to 1959 inclusive that such vitamin D assays have been run, 1233 samples have been examined, of which 1,126, or 91 per cent, have been passed.

On the basis of a ± 20 per cent tolerance, the numbers of samples failing to meet their guaranties for the other vitamins were as follows:

Deficient in	No. of samples	
Niacin, pantothenic acid, riboflavin and thiamine	1	
Niacin, pantothenic acid and riboflavin	3	
Niacin, riboflavin and thiamine	1	
Niacin and pantothenic acid	1	
Niacin and riboflavin	1	
Niacin and thiamine	1	
Pantothenic acid and riboflavin	1	
Niacin	1	
Pantothenic acid	2	
Riboflavin	1	13

Of the total of 64 samples, 50, or 78 per cent, met all guaranties; this was a decided improvement over the 62 per cent of satisfactory samples found last year. One hundred and thirty-seven of the total of 166 guaranties, or 83 per cent, were met.

Miscellaneous Feeds

One hundred and fifty-four unofficial samples of feed and fodder materials were examined. This total included commercial mixed feeds and feed ingredients submitted by dealers and purchasers, the Federal Correctional Institution at Danbury, the State Supervisor of Purchases and the Food and Drug Commission, as well as samples of hay and silage whose analysis was requested by farmers. Ten feed samples were tested for the Federal Correctional Institution, eight for the Supervisor of Purchases and seven for the Food and Drug Commission.

Four commercial mixed feeds were too high or too low in drug content or otherwise deficient:

7155. Eastern Connecticut Grain Associates Broiler Finisher Mash. Delaware Mills, Inc., Deposit, N. Y. Arsanilic acid, per cent: Guaranteed, 0.005; found, 0.0088.

7434. Purina Breeder Layena (Complete Ration) E. Ralston Purina Co., St. Louis, Mo. Protein, per cent: Guaranteed, 16.50; found, 14.75.

7043. Purina Rabbit Chow Checkers (20%), Special Mix for Albert Bartizek. Ralston Purina Co., St. Louis, Mo. Sulfaquinoxaline, per cent: Guaranteed, 0.025; found, 0.0182.

9558. Wirthmore Complete Turkey Fattening Ration 443, Pellets. Wirthmore Feeds, Inc., Waltham, Mass. 4-Nitrophenylarsonic acid, per cent: Guaranteed, 0.025; found, 0.0355.

As usual, a number of materials were submitted because they were suspected of having caused the illness or death of animals. Tests for deleterious substances were completely negative on all except 12 of these samples.

Six of the 12 samples containing toxic or objectionable ingredients comprised a group of three silages, two samples of Sudan grass and one of hay that gave positive tests for cyanide. It is known that under certain growing conditions Sudan grass may accumulate enough of a cyanogenetic glucoside to become hazardous, and the evidence was pretty conclusive that the samples examined by us had caused the deaths of one or more cows. The two samples of Sudan grass that were analyzed quantitatively for cyanide showed 4 and 8 parts per million respectively of hydrocyanic acid. However, two other samples of grass from the same field (of which only one gave a positive test for cyanide) contained nitrate equivalent to 1.91 and 3.65 per cent of potassium nitrate (dry basis), so it is possible that nitrate rather than cyanide poisoning was the chief cause of death.

The other six samples found to contain toxic or deleterious ingredients were the following:

7906. Apple Pomace. V. Tenedine & Sons, Inc., North Haven, Conn. DDT, 16 parts per million.

9800. Corn Silage. William Wenzel, North Haven, Conn. DDT, 6 parts per million.

7749. Green Vegetables. Hoyt E. Baum, West Haven, Conn. Contaminated with sodium nitrite.

8058. Grit. Sam Panciera, Stafford Springs, Conn. Analysis showed that this grit, which had caused the deaths of 21 pigeons, contained 17.48 per cent of salt.

7181. Meat Balls. Antonio Napoli, Dog Warden, Waterbury, Conn. Dried lima beans impregnated with yellow phosphorus had been inserted into these meat balls. This was undoubtedly a case of malicious poisoning.

8382. Whitewash. Augur's Turkey Farm, Northford, Conn. DDT, 460 parts per million.

Biological Specimens Examined for Poisons

One hundred and sixty-two biological specimens were examined in connection with suspected poisoning, mostly of domestic animals and poultry. In 71 of these, poisonous substances were found in sufficient quantity to suggest probable or possible causes of death.

The poisonous materials, and the number of specimens in which they were found, are summarized as follows: Arsenic (1), arsenic with cyanide and lead (2), arsenic with lead (3), ball of yarn (1), barium (2), barium with chromium and lead (1), beryllium (11), chlordane (1), chromium (1), chromium with mercury (1), copper (3), crayon (1), cyanide (2), DDT (5), endrin (6), hexachlorophene (1), lead (12), lead with thallium (1), lead with zinc (1), mercury (8), salt (2), strychnine (2) and thallium (3). Only one of the 11 beryllium samples represented a case of animal poisoning; the others were air filter mats submitted by the Bureau of Industrial Hygiene of the State Department of Health in connection with factory inspections. As usual, the predominant poison was lead, with 15 cases.

The six endrin cases consisted of five field mice and one rabbit picked up by the State Board of Fisheries and Game from orchards that had been treated with this pesticide for the control of field mice; the endrin contents of the mice averaged 3 parts per million, while the rabbit viscera contained more than 20 p.p.m.

Four of the five cases of DDT poisoning were those of birds, whose viscera contained between 2 and 38 parts per million of this pesticide. The fifth sample comprised earthworms from the New Haven Green; analysis showed 56 p.p.m. of DDT and 14 p.p.m. of DDE.

The four samples containing thallium were submitted by Larry Polacheck, M. D., of the Grace-New Haven Community Hospital in New Haven, and involved two small children who had eaten the blue-dyed whole Spanish peanuts impregnated with one per cent of thallium sulphate that are sold under the name of "Mo-Go" by O. E. Linck Co., Inc., Clifton, N. J. In the case of one child (a boy) the urine contained 4.6 parts per million of thallium and the hair and nails 0.4 microgram of this element on October 22, while by November 18 the thallium content had gone down to 0.8 p.p.m. The urine of the other child (a girl) contained 0.5 p.p.m. of thallium on October 27.

The two strychnine cases both involved dogs, whose stomach contents contained respectively 92 and 2,000 parts per million of this alkaloid. Of the three cases of copper poisoning, one was a

calf whose stomach contents were colored green with 100 parts per million of this element, while the other two were white swans whose livers also contained 100 p.p.m. One of the salt-poisoning cases involved a duck, whose liver was found to contain 1.15 per cent of sodium chloride. The cases in which the ball of cotton yarn, crayons and hexachlorophene (in "Dial" soap) were involved were all those of dogs.

Check Feeds

Thirteen feeds were analyzed in the check feed program sponsored by the Association of American Feed Control Officials, and three samples of alfalfa were assayed for carotene in a program also sponsored by that association.

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

Station No.	Manufacturer and brand	Moisture	Protein (N x 6.25) Guaranteed not less than	Protein (N x 6.25) Found
	ACME-EVANS CO. INC. Indianapolis, Ind.			
8749	Acme Wheat Bran	12.22	14.00	17.00
8724	Acme Wheat Standard Middlings with Screenings	13.07	14.00	16.00
9326	Acme Yellow Hominy Feed	11.07	9.00	10.13
	ALBERS MILLING CO. Los Angeles, Calif.			
9241	Albers Calf Manna	9.55	25.00	26.50
9560	Albers Rabbit Breeder Ration	8.81	15.00	16.13
9566	Albers Rabbit Family Ration	9.66	18.00	21.13
9565	Albers Suckle	6.61	24.00	28.13
	ALBION ALFALFA MILL, INC. Albion, Nebr.			
9161	Beaver Brand Dehydrated Alfalfa Meal	9.39	17.00	16.13
	ALLIED MILLS, INC. Chicago, Ill.			
8899	Egg Producer "E"	11.31	20.00	22.00
8898	Sucrene 16% Dairy "P"	11.07	16.00	17.88
9433	Wayne Calfnip	6.71	23.00	23.88
9431	Wayne Calf Starter "A"	11.19	16.00	18.13
9639	Wayne Chick Feed	13.05	9.00	9.25
9880	Wayne Complete Egg Medicated	10.72	16.00	19.00
9240	Wayne 16% Dairy	10.04	16.00	18.25
9699	Wayne Egg Medicated	10.59	22.00	24.25
8897	Wayne Fitting Ration	12.32	14.00	15.00
9879	Wayne Hog Finisher Medicated	10.42	12.00	14.63
8896	Wayne Horse Feed	12.52	9.00	10.50
9621	Wayne Mink Meal	9.23	20.00	23.25
9622	Wayne Pigeon Feed	7.26	12.00	13.75
8903	Wayne Rabbit Ration	11.02	17.00	19.75
9239	Wayne Scratch Feed	12.63	9.00	9.38
9432	Wayne Scratch Feed	12.21	9.00	10.13

~~~~ indicates deficiencies.
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INSPECTION OF 1959

Fat		Fiber		Medicants
Guaranteed not less than	Found	Guaranteed not more than	Found	
3.00	4.94	9.50	6.91	
3.00	4.52	9.50	3.62	
7.00	7.33	6.00	3.76	
3.50	3.83	5.50	4.77	
2.00	2.21	22.00	20.58	
2.50	2.53	16.00	13.73	
5.00	5.13	0.50	0.46	
3.50	2.67	27.00	26.83	
4.00	4.68	7.00	5.82	
2.50	3.83	15.00	9.01	
0.50	0.52	0.25	0.06	
3.00	3.35	7.50	5.72	
2.00	2.31	4.00	1.00	
3.50	3.35	4.50	4.19	Arsanilic acid: Guar., 0.010%; found, 0.012%.
3.00	3.78	9.00	7.57	
4.00	4.51	4.50	4.40	Arsanilic acid: Guar., 0.015%; found, 0.0102%.
3.00	3.79	8.00	7.49	
2.50	3.27	4.50	3.65	Arsanilic acid: Guar., 0.010%; found, 0.0108%.
2.50	3.73	12.00	6.91	
2.00	3.67	5.00	4.07	
2.00	2.12	5.00	2.53	
2.00	2.69	15.00	9.36	
2.00	2.66	5.00	1.57	
2.00	2.98	5.00	2.90	

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

Station No.	Manufacturer and brand	Moisture	Protein (N x 6.25) Guaranteed not less than	Protein (N x 6.25) Found
8900	Wayne Starter & Grower "E"	10.61	18.00	20.75
8895	Wayne Sweet Bulky Feed "E"	12.46	12.00	14.25
8901	Wayne Turkey Grower	11.86	22.00	22.00
9821	Wayne Universal Egg Medicated	11.21	18.00	18.50
	AMERICAN CRYSTAL SUGAR CO. Denver, Colo.			
9396	Plain Dried Beet Pulp	10.39	8.00	9.88
	AMERICAN FEED CO. New York, N. Y.			
8820	AFCO Wafer Meal	9.76	10.00	11.00
	ARCHER-DANIELS-MIDLAND CO., Minneapolis, Minn.			
9228	Archer Quality 34% Protein Linseed Oil Meal	10.13	34.00	35.88
8731	Archer Quality 44% Protein Sol. Ext. Soybean Oil Meal	12.14	44.00	47.13
	ARCHER-DANIELS-MIDLAND CO., Alfalfa Div. Kansas City, Mo.			
9344	Small's 20% Fine Ground Dehydrated Alfalfa Meal	7.61	20.00	22.13
9349	Small's 20% Fine Ground Dehydrated Alfalfa Meal	8.86	20.00	20.38
	ATLANTIC PROCESSING CO. Amagansett, N. Y.			
9217	Smith's Life Line Fish Meal	7.16	60.00	66.13
	B & W CANNING CO., INC. Groveland, Fla.			
9652	B'n W brand Dried Citrus Pulp	9.57	6.00	5.50

~~~ indicates deficiencies
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INSPECTION OF 1959

Fat		Fiber		Medicants
Guaranteed not less than	Found	Guaranteed not more than	Found	
3.50	3.56	6.00	4.67	
1.50	2.00	15.00	10.70	
3.50	4.33	6.00	5.55	
4.00	4.18	4.00	4.43	Arsanilic acid: Guar., 0.010%; found, 0.0108%.
0.30	0.41	22.00	18.19	
8.50	7.76	2.00	1.13	
0.50	1.72	10.00	7.54	
0.50	1.24	7.00	6.96	
1.75	4.36	20.00	17.54	
1.50	5.32	20.00	18.02	
5.00	7.44	3.00	0.08	
3.00	2.99	13.00	10.14	

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

Station No.	Manufacturer and brand	Moisture	Protein (N x 6.25) Guaranteed not less than	Protein (N x 6.25) Found
	THE BEACON MILLING CO. Cayuga, N. Y.			
9738	Beacon Broiler Finisher NCA	11.01	20.00	21.25
9948	Beacon Broiler Finisher UN3	11.96	20.00	20.25
9934	Beacon C-C Pellets	10.47	15.00	15.75
9406	Beacon Calf Grow	10.76	17.00	17.00
9403	Beacon Dairy Fitting	11.32	14.00	15.00
9851	Beacon Dairy Fitting Ration with Sodium Propionate	11.57	14.00	16.38
9813	Beacon Egg Check A Medicated	11.62	15.00	16.00
9287	Beacon "22" Egg Mash	9.94	22.00	23.75
9721	Beacon Market Egg All-Mash A Medicated	10.31	17.00	17.50
8815	Beacon Milk Check "16" Dairy Ration	12.39	16.00	17.00
8853	Beacon Milk Check "18" Dairy Ration	12.46	18.00	18.00
9405	Beacon Milk Check "20" Dairy Ration	10.26	20.00	20.75
8817	Beacon Milk Check Fitting Ration	12.23	14.00	15.13
9933	Beacon Poultry Finisher with Dienestrol diacetate & Nicarbazin	11.36	15.00	15.75
8819	Beacon Poultry Fitting	13.46	11.00	13.13
9304	Beacon Sweet "16" Dairy Ration	11.07	16.00	17.00
9286	Beacon "16" Test Cow Ration	9.69	16.00	17.50
9408	Beacon "18" Test Cow Ration	10.50	18.00	19.50
9407	Beacon Turkey Finisher All-Mash	10.61	18.00	18.88
8855	Beacon Turkey & Game Bird Breeder	11.52	24.00	23.25

~~~~ indicates deficiencies.
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INSPECTION OF 1959

Fat		Fiber		Medicants
Guaranteed not less than	Found	Guaranteed not more than	Found	
5.00	5.51	4.00	2.76	Nicarbazin: Guar., 0.0125%; found, 0.0150%. Arsanilic acid: Guar., 0.009%; found, 0.0103%.
5.00	5.31	4.00	2.49	3,5-Dinitrobenzamide: Guar., 0.025%; found, 0.0215%. Acetyl (para-nitrophenyl) sulfanilamide: Guar., 0.030%; found, 0.0280%. 3-Nitro-4-hydroxyphenylarsonic acid: Guar., 0.005%; found, 0.0051%.
4.50	8.95	5.00	4.50	Sulphur: Guar., 5.00%; found, 4.93%.
3.00	3.23	9.00	6.42	
3.25	3.39	9.00	6.42	
3.00	3.18	9.00	6.86	Sodium Propionate: Guar., 2.5%; not determined.
2.50	3.45	6.00	4.46	Arsanilic acid: Guar., 0.009%; found, 0.0100%.
4.00	5.53	6.00	4.40	
4.50	4.34	5.00	2.38	Arsanilic acid: Guar., 0.009%; found, 0.0064%.
3.00	3.93	10.00	8.45	
3.00	4.01	10.00	7.47	
3.00	3.61	10.00	7.73	
3.00	3.70	10.00	6.90	
				Dienestrol diacetate: Guar., 0.007%; not determined.
4.00	4.00	4.50	3.32	Nicarbazin: Guar., 0.0125%; found, 0.0142%.
2.50	3.82	7.50	3.67	
3.50	3.60	9.00	6.93	
4.00	4.13	9.00	6.94	
4.00	4.10	9.00	8.43	
3.25	4.53	5.50	3.38	
4.00	4.88	6.50	4.55	

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

Station No.	Manufacturer and brand	Moisture	Protein (N x 6.25) Guaranteed not less than	Protein (N x 6.25) Found
9300	Beacon Turkey & Game Bird Fitting	12.34	10.00	12.63
8854	Beacon "22" Turkey & Game Bird Grower	11.07	22.00	22.00
9302	Beacon "20" Turkey Grower	10.49	20.00	20.63
8816	Be-Co Grower	12.21	14.00	14.25
8818	Be-Co-Lass	12.43	11.00	11.00
9410	Be-Co Nurse Milk Replacer	5.39	24.00	25.50
9404	Bulky Green	10.17	11.00	12.38
	THE BERKMAN GRAIN CO. North Franklin, Conn.			
9350	Nibco Crate Fattener	14.20	12.00	13.13
9342	Nibco 18% Dairy Ration	11.98	18.00	17.25
9345	Nibco Fitting Ration	12.23	14.00	14.00
9733	Nibco Five Star Roaster Feed Medicated	11.82	16.00	18.13
9734	Nibco Five Star Super Starter	11.16	25.00	23.88
9735	Nibco Five Star Weight Maker	10.73	22.00	22.00
9732	Nibco Five Star Weight Maker Medicated	10.86	22.00	22.13
9341	Nibco High Energy Growing & Laying Mash	11.21	16.00	16.13
9731	Nibco Medicated Booster Feed	11.89	20.00	19.00
	BLATCHFORD CALF MEAL CO. Waukegan, Ill.			
9638	Blatchford's Calf Meal	10.50	25.00	27.00

~~~~ indicates deficiencies.
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INSPECTION OF 1959

Fat		Fiber		Medicants
Guaranteed not less than	Found	Guaranteed not more than	Found	
2.50	2.99	9.00	4.60	
3.25	3.80	5.75	4.43	
3.25	3.93	5.50	4.01	
3.00	5.03	8.00	7.48	
2.00	3.28	12.00	6.83	
10.00	10.12	0.25	0.09	
2.00	3.09	15.00	11.56	
3.50	3.77	9.00	7.28	
4.00	4.44	8.00	6.25	
4.00	3.36	8.00	6.05	
4.50	4.09	3.00	2.38	Nicarbazin: Guar., 0.010%; found, 0.0108%.
7.00	7.50	2.50	1.93	Nicarbazin: Guar., 0.010%; found, 0.0116%. 3-Nitro-4-hydroxyphenylarsonic acid: Guar., 0.0050%;found, 0.0038%.
6.00	6.43	2.50	2.01	Nicarbazin: Guar., 0.010%; found, 0.0120%. 3-Nitro-4-hydroxyphenylarsonic acid: Guar., 0.0050%;found, 0.0037%.
6.00	6.03	2.50	2.05	Nicarbazin: Guar., 0.010%; found, 0.0106%. 3-Nitro-4-hydroxyphenylarsonic acid: Guar.,0.0050%;found, 0.0021%. Dienestrol diacetate: Guar., 0.0023%; not determined.
3.00	5.14	4.00	3.24	
3.00	3.61	4.50	2.26	Nicarbazin: Guar., 0.010%; found, 0.0082%. Terramycin hydrochloride: Guar., 0.022%; not determined.
2.50	2.57	6.00	3.81	

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

Station No.	Manufacturer and brand	Moisture	Protein	
			Guaranteed not less than	Found
	THE BLOOMFIELD FARMERS' EXCHANGE INC. Bloomfield, Conn.			
9489	Bloomfield 16% Dairy Ration	12.72	16.00	16.88
9491	Bloomfield 16% Dairy Ration	11.86	16.00	17.13
	BROOKLAWN GRAIN & FEED CO. Bridgeport, Conn.			
8759	Brooklawn Sweet Mix	13.10	16.00	17.38
	THE A. B. CAPLE CO. Toledo, Ohio			
9435	Sun-Cured Alfalfa Crumbles	9.72	13.00	14.75
	CARGILL, INCORPORATED Minneapolis, Minn.			
9219	Cargill, Inc. 44% Protein Solvent Extracted Soybean Oil Meal	10.64	44.00	44.25
9641	Cargill, Inc. 50% Protein Sol. Ext. Dehulled Soybean Oil Meal	10.54	50.00	54.75
	CARLING BREWING CO. INC. Cleveland, Ohio			
8761	Carling Brewers Dried Grains	9.89	26.00	29.88
	CENTRAL CONN. CO-OPERATIVE FARMERS' ASS'N. INC. Manchester, Conn.			
9529	Honest Brand Aureomycin Mix 200 grams	11.36	18.00	20.00
8827	Honest Brand Complete Breeder Mash	12.21	20.00	17.25
8825	Honest Brand Complete Ration High Energy Growing Mash	12.38	15.00	16.00
8826	Honest Brand Complete Ration High Energy Laying Mash	12.15	15.00	15.25
9872	Honest Brand Nu Weigh-Hi Broiler Mash Medicated	11.19	20.00	18.63
9919	Honest Brand Nu Weigh-Hi Broiler Mash Medicated	11.56	22.00	22.63

~~~ indicates deficiencies.
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INSPECTION OF 1959

Fat		Fiber		Medicants
Guaranteed not less than	Found	Guaranteed not more than	Found	
3.50	3.93	8.00	6.45	
3.50	3.58	8.00	6.13	
3.50	3.28	9.00	6.54	
1.00	1.61	33.00	27.46	
0.50	2.19	7.00	6.55	
0.50	1.03	3.00	3.36	
5.00	5.98	15.00	12.07	
3.00	3.24	4.00	3.07	
4.00	4.04	8.00	3.06	
3.00	3.63	4.00	3.06	
3.00	3.90	4.00	3.10	
6.00	6.64	3.00	2.40	Nicarbazin: Guar., 0.0125%; found, 0.0144%.
6.00	6.10	3.00	2.42	Nicarbazin: Guar., 0.0125%; found, 0.0146%.

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

Station No.	Manufacturer and brand	Moisture	Protein (N x 6.25) Guaranteed not less than	Protein (N x 6.25) Found
9871	Honest Brand Nu Weigh-Hi Starter Mash Medicated	11.62	20.00	21.75
	CENTRAL SOYA CO. INC. Ft. Wayne, Ind.			
9136	Central's 44% Soybean Oil Meal Solvent Extracted	11.84	44.00	50.50
7373	Thrifty-Fifty	11.47	50.00	50.88
8830	Thrifty-Fifty	9.78	50.00	51.50
	CLYDE MILLING CORP. Clyde, N. Y.			
9537	Clyde C. L. Special 15	13.04	15.00	15.38
8792	Clyde C. L. Special 16	13.25	16.00	18.25
9626	Clyde C. L. Special 16	11.84	16.00	17.88
9627	Clyde Dry & Freshening Ration	12.21	14.00	14.00
8810	Clyde H-E Complete Breeder Mash	11.99	16.50	16.50
9539	Clyde Hi-Cal-Re Complete Layer & Grower	11.54	16.50	18.13
8784	Clyde Horse Feed	11.78	10.00	11.25
8812	Clyde Life Span 15	13.21	15.00	16.38
9653	Clyde Life Span 18	12.22	18.00	18.50
9540	Clyde Life Span 30	10.87	30.00	27.00
8814	Clyde Market Egg Mash	11.11	20.00	21.00
9654	Clyde Milk Flo 16 Dairy Ration	12.35	16.00	16.50
7353	Clyde R. S. 10	13.54	10.00	12.00
8790	Clyde R. S. 10	11.71	10.00	12.00
9538	Clyde Tastee Station Pellets	11.54	14.00	16.00
8787	Clyde Turkey Grower Mash	11.14	22.00	22.00
8789	Dewhurst's 16% Dairy Ration	10.21	16.00	16.75
7352	Dried Apple Pomace	11.89	5.00	5.50
7354	Dried Apple Pomace	11.41	5.00	5.00
8786	Warren's Calf Starter	11.34	18.00	18.38
9542	Warren's Dairy Fitting Ration	12.41	12.00	14.13
8778	Warren's 16% Dairy Ration	11.44	16.00	17.25
8811	Wheat Bran	12.16	15.00	15.00
8775	Warren's Test Cow 16	10.51	16.00	17.50

~~~ indicates deficiencies.
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INSPECTION OF 1959

Fat		Fiber		Medicants
Guaranteed not less than	Found	Guaranteed not more than	Found	
3.00	3.48	4.00	3.07	Sulfaquinoxaline: Guar., 0.0175%; found, 0.0188%.
0.50	1.19	7.00	2.88	
0.50	1.93	3.00	2.48	
0.50	1.66	3.00	2.95	
3.50	3.13	9.00	7.58	
3.50	3.34	8.50	2.52	
3.50	3.39	8.50	7.86	
3.00	3.58	8.00	5.91	
4.00	4.19	4.50	4.22	
4.00	3.93	4.50	3.41	
2.50	3.83	10.00	5.53	
3.50	4.84	8.00	6.47	
3.50	3.63	8.00	6.33	
2.00	2.51	8.00	6.05	
3.00	3.66	6.00	5.56	
3.00	3.59	9.00	6.23	
2.50	3.14	24.00	16.09	DDT, 6 ppm; lead, 29 ppm.
2.50	3.15	24.00	12.55	
3.50	3.41	4.50	4.52	
4.00	4.72	5.50	5.07	
3.50	3.61	9.00	8.44	
3.50	5.01	19.00	16.43	DDT, 48 ppm; lead, 49 ppm.
3.50	4.99	19.00	17.39	DDT, 50 ppm; lead, 36 ppm.
3.00	3.53	8.00	5.99	
3.00	4.79	10.00	9.15	
3.00	3.24	11.00	10.57	
3.50	4.94	10.00	7.69	
3.50	3.08	8.50	10.19	

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

Station No.	Manufacturer and brand	Moisture	Protein (N x 6.25) Guaranteed not less than	Protein (N x 6.25) Found
	COMMUNITY SERVICE, INC. Canaan, Conn.			
9247	Community Service 16% Dairy Ration	12.18	16.00	16.38
9244	Community Service 18% Dairy Ration	13.00	18.00	18.25
9246	Community Service Fitting Ration	12.38	14.00	15.25
	CONNECTICUT BI-PRODUCTS, INC., Columbia, Conn.			
9658	Hydrolyzed Poultry Feathers	4.55	85.00	91.63
9657	Poultry By-Product Meal	4.19	55.00	61.50
	CONSOLIDATED BLENDERS, INC., Fremont, Nebr.			
9567	17% Dehydrated Alfalfa Meal with Animal Fat Merry Mixer Greenules	8.46	17.00	17.00
	CONSOLIDATED RENDERING CO. Boston, Mass.			
8851	Corenco Feeding Bone Meal	4.67	10.00	14.75
8752	Corenco 47% Meat & Bone Scrap	8.16	47.00	47.38
	CONTINENTAL DISTILLING CORP., Philadelphia, Pa.			
8821	Corn Distillers Dried Solubles	8.19	28.00	28.00
	CORN PRODUCTS CO. New York, N. Y.			
8732	Buffalo Brand 21% Protein Corn Gluten Feed	9.34	21.00	23.63
9570	Diamond Brand 41% Corn Gluten Meal	9.96	41.00	43.50

~~~ indicates deficiencies.
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INSPECTION OF 1959

Fat		Fiber		Medicants
Guaranteed not less than	Found	Guaranteed not more than	Found	
3.50	3.63	10.00	5.77	
4.00	3.82	10.00	6.62	
3.50	4.26	9.00	6.23	
0.50	3.72	1.50	0.42	
8.00	13.32	3.00	1.07	
1.50	2.00	27.00	25.67	
- -	- -	2.00	9.61	
6.00	9.38	2.00	1.38	
8.00	8.46	5.00	3.03	
1.00	2.74	10.00	9.18	
1.00	2.67	6.00	3.12	

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

Station No.	Manufacturer and brand	Moisture	Protein (N x 6.25) Guaranteed not less than	Protein (N x 6.25) Found
	C. A. COWLES, INC. Plantsville, Conn.			
8904	Blue C Feed 16% Dairy Ration	13.20	16.00	15.38
9204	Blue C Feed 20% Dairy Ration	11.15	20.00	20.63
9164	Blue C Feed Fitting Ration	12.48	14.00	16.63
9206	Blue C Feed Growing Mash	11.82	20.00	20.38
8905	Blue C Feed Horse Feed with Molasses	14.54	10.00	12.50
9158	Blue C Feed Laying Mash	11.46	20.00	20.88
9159	Blue C Feed Rabbit Pellets	11.74	15.00	16.38
9163	Blue C Feed Super 16% Dairy Ration	12.91	16.00	16.50
9160	C. A. Cowles Turkey Starting Mash	12.24	24.00	20.00
9205	16% Dairy Delight	11.40	16.00	18.63
9203	16% Dairy Delight (Coarse)	11.47	16.00	16.00
	DCA FOOD INDUSTIRES, INC. Ellicott City, Md.			
9642	Domaco Pure Winter Wheat Bran	10.94	13.50	13.50
8822	Domaco Winter Wheat Standard Middlings	10.71	14.50	15.13
	DAWE'S LABORATORIES, INC. Chicago, Ill.			
8847	Dawe's Fermentation Flavonne	11.91	30.00	35.38
	DAWNWOOD FARMS Amenia, N. Y.			
9481	Dawnwood Farms Caf-Star	7.95	26.00	28.75
	DELAWARE MILLING CO., INC. Deposit, N. Y.			
8782	Delaware Scratch Grains	14.38	9.00	9.38
9922	Eastern Conn. Grain Associates Broiler Finisher Mash Medicated	11.97	19.00	19.38
8788	Warren's C & C Complete Breeder Mash	10.10	16.00	19.50

~~~~ indicates deficiencies.
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INSPECTION OF 1959

Fat		Fiber		Medicants
Guaranteed not less than	Found	Guaranteed not more than	Found	
3.50	3.79	9.00	4.87	
3.00	4.64	10.00	7.64	
3.00	4.43	9.00	7.53	
3.00	3.94	5.00	5.08	
3.00	3.46	10.00	6.31	
3.00	2.84	5.00	4.65	
3.00	3.13	15.00	9.02	
3.50	4.34	7.50	6.09	
5.00	2.82	8.00	4.65	
3.50	4.99	7.50	6.90	
3.00	4.79	9.00	5.57	
3.25	3.69	9.50	8.24	
4.25	4.11	7.50	7.49	
2.00	3.73	9.50	6.44	
3.00	3.44	2.50	1.96	
2.00	3.56	5.00	2.51	
5.50	5.44	3.00	2.80	Nicarbazin: Guar., 0.0125%; found, 0.0162%. Arsanilic acid: Guar., 0.0050%; found, 0.0098%.
3.00	5.27	6.00	6.46	

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

Station No.	Manufacturer and brand	Moisture	Protein (N x 6.25) Guaranteed not less than	Protein (N x 6.25) Found
8779	Warren's C & C Complete Laying Mash	11.16	15.00	16.00
8777	Warren's C & C Laying Mash	9.44	20.00	21.38
9543	Warren's C & C Laying Mash	11.47	20.00	22.50
9545	Warren's Fitting Ration	11.94	14.00	15.00
8780	Warren's Indian 16% Dairy	11.74	16.00	17.75
8783	Warren's 16% Test Ration	12.12	16.00	16.75
	DERBY FEED STORE Derby, Conn.			
8728	Litsky's Hi-Energy All-Mash Grower	12.20	16.00	16.75
8729	Litsky's Hi-Energy All-Mash Layer	12.19	16.00	16.00
8730	Litsky's Hi-Energy Layer	11.71	20.00	21.25
9876	Litsky's Hi-Energy Starter-Broiler Medicated	11.14	20.00	20.00
9220	Litsky's Sweet 16% Dairy Ration	10.37	16.00	17.50
	DISTILLERS CORPORATION Ltd. Montreal, Canada			
8849	Distilco Corn Distillers' Dried Grains	11.16	25.00	26.00
	EASTERN STATES FARMERS' EXCHANGE, INC. West Springfield, Mass.			
9438	Alfapels	8.25	15.00	15.63
9818	All-Mash Breeder Medicated	10.97	16.00	17.88
9884	Breeder Mash Medicated	10.67	22.00	23.50
9690	Broiler Finisher Medicated	10.44	22.00	23.13
9742	Broiler Finisher Medicated	9.94	22.00	23.25
9765	Broiler Starter Medicated	11.66	24.00	24.00

~~~ indicates deficiencies.
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INSPECTION OF 1959

Fat		Fiber		Medicants
Guaranteed not less than	Found	Guaranteed not more than		
3.00	5.44	6.00	7.08	
3.00	4.08	7.50	6.71	
3.00	4.24	7.50	7.71	
3.00	3.69	11.00	8.02	
3.50	4.28	11.00	8.37	
3.50	4.33	10.00	8.00	
3.50	3.84	4.00	4.05	
3.50	3.83	4.00	3.53	
3.25	3.54	4.50	4.55	
3.50	3.35	4.00	3.70	Sulfaquinoxaline: Guar., 0.0175%; found, 0.0183%.
3.00	3.94	10.00	6.04	
8.00	9.80	12.00	7.43	
1.50	2.79	30.00	26.45	
4.00	4.40	4.00	3.26	Arsanilic acid:Guar., 0.0099%; found, 0.0112%.
4.00	3.88	5.00	4.46	Arsanilic acid:Guar., 0.0132%; found, 0.0128%.
8.00	8.94	4.00	2.51	Arsanilic acid:Guar., 0.0099%; found, 0.0098%. Nicarbazin: Guar., 0.0125%; found, 0.0136%.
8.00	8.59	4.00	3.45	Arsanilic acid:Guar., 0.0099%; found, 0.0105%. Nicarbazin: Guar., 0.0125%; found, 0.0150%.
5.00	5.28	4.00	2.97	Arsanilic acid:Guar., 0.0099%; found, 0.0092%. Nicarbazin: Guar., 0.0125%; found, 0.0122%.

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

Station No.	Manufacturer and brand	Moisture	Protein (N x 6.25) Guaranteed not less than	Protein (N x 6.25) Found
9121	Calf Starter	13.42	18.00	18.63
9688	Cashmaker Medicated	11.92	16.00	17.00
9382	Cashmaker WM Medicated	11.10	16.00	17.50
9117	Champion	12.68	14.00	14.46
9689	Choicemaker Medicated	11.62	16.00	18.13
9076	Class Leader	13.44	14.00	16.75
9414	Darimore	10.96	16.00	18.00
9074	16% Dairy Feed	12.66	16.00	17.75
9075	Dairypels 16	11.63	16.00	18.25
9077	Fulpail	12.66	20.00	21.25
8888	GLF All-Mash Laying Ration	13.09	17.00	17.50
8883	GLF Fitting Ration	11.97	14.00	14.13
8884	GLF 16% Milk Maker	12.06	16.00	17.38
8885	GLF Trim	13.06	12.00	12.00
8887	GLF Turkey Starter	12.48	28.00	23.75
9698	Goalmaker Medicated	10.61	16.00	16.75
9316	Matchmaker Medicated	10.65	22.00	22.75
9854	Medicated Defender	10.92	20.00	21.63
9870	Medicated Lacto-Life	11.41	16.00	18.63
9759	Medicated Minuteman	11.47	24.00	25.13
9883	Medicated Minuteman SQ	10.10	24.00	24.88
9237	Medicated Sentinel	10.36	20.00	22.75
9115	Milkmore	12.29	16.00	18.50
9238	Milksaver	7.74	24.00	24.63
9697	Pacemaker Medicated	11.26	20.00	20.00
8833	Pork Breeder	11.15	15.00	15.88
9413	Pork Builder	11.96	14.00	15.00

~~~~ indicates deficiencies.
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INSPECTION OF 1959

Fat		Fiber		Medicants
Guaranteed not less than	Found	Guaranteed not more than	Found	
3.00	3.09	6.00	3.99	
4.00	4.44	4.00	3.21	Arsanilic acid:Guar., 0.0099%; found, 0.0100%.
4.00	4.53	4.00	2.93	Sulfaquinoxaline: Guar., 0.0125%; found, 0.0116%. Arsanilic acid:Guar., 0.0099%; found, 0.0103%.
2.50	3.09	7.00	6.18	
3.50	3.54	5.50	4.04	Arsanilic acid:Guar., 0.0099%; found, 0.0089%.
3.50	4.53	8.00	6.50	
2.00	3.83	12.00	9.17	
2.50	2.94	10.00	8.38	
3.50	4.66	9.00	6.67	
3.00	4.33	8.00	4.94	
4.00	3.43	4.50	3.16	
3.25	4.59	10.00	6.37	
4.00	4.49	10.00	6.99	
3.00	4.19	10.00	7.01	
3.50	4.61	5.00	2.74	
4.00	4.93	4.00	2.72	Arsanilic acid:Guar., 0.0099%; found, 0.0102%.
4.00	4.08	5.00	4.19	Arsanilic acid:Guar., 0.0132%; found, 0.0136%.
4.00	4.11	4.50	3.65	Furazolidone: Guar., 0.022%; found, 0.0185%.
2.50	4.04	8.00	6.24	Lactic acid guaranteed; not determined.
5.00	5.35	4.50	3.07	Nicarbazin: Guar., 0.0125%; found, 0.0136%.
5.00	5.24	4.50	3.20	Sulfaquinoxaline: Guar., 0.050%; found, 0.036%.
4.00	4.94	4.50	3.08	Antibiotic guaranteed; not determined.
3.00	4.90	8.50	6.50	
1.00	2.39	1.50	0.59	
4.00	4.27	4.50	2.88	Arsanilic acid:Guar., 0.0099%; found, 0.0100%. Nicarbazin: Guar., 0.0125%;found, 0.0116%.
2.50	3.60	8.00	5.02	
3.00	3.85	3.50	2.83	

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

Station No.	Manufacturer and brand	Moisture	Protein (N x 6.25) Guaranteed not less than	Protein (N x 6.25) Found
9817	Pork Gainer Medicated	12.18	16.00	17.13
9820	Pork Primer Medicated	10.37	18.00	19.38
8836	Rabbettes	10.11	18.00	17.50
9764	Roaster Finisher Medicated	11.96	16.00	17.63
9120	Supmix	12.95	36.00	37.13
9116	Sweepstakes	12.20	16.00	16.75
9501	Tastibulk	12.60	9.00	10.63
9118	Turkey Breeder	11.37	16.00	17.38
9119	Turkey Finisher	11.08	16.00	18.13
9428	Turkey Grower	10.64	20.00	22.13
9931	Turkey Grower C Medicated	10.42	20.00	22.63
	ECKHART MILLING CO. Chicago, Ill.			
9592	Ecko Pure Wheat Bran	10.71	14.00	17.38
	ELMORE MILLING CO., INC. Oneonta, N. Y.			
9386	Elmore Calf Grain Ration	10.65	13.00	13.00
9756	Elmore Chixsaver (1S)	12.57	20.00	19.00
9634	Elmore Complete Calf Milk Replacer	9.36	25.00	25.75
9848	Elmore Complete Growing Ration (1A)	10.49	16.00	18.63
9371	Elmore Complete Laying Mash	9.21	16.00	18.50
9324	Elmore Complete Market Egg Ration	11.14	16.00	15.38
9844	Elmore Complete Market Egg Ration (1A)	11.93	16.00	16.13
9424	Elmore Complete Rabbit Ration	9.94	16.00	19.50
9323	Elmore Dry & Freshening Ration	11.81	12.00	13.50

~~~~ indicates deficiencies.
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INSPECTION OF 1959

Fat		Fiber		Medicants
Guaranteed not less than	Found	Guaranteed not more than	Found	
5.00	5.02	4.50	2.98	Arsanilic acid:Guar., 0.0099%; found, 0.0112%. Antibiotic guaranteed, not determined.
4.50	4.50	4.50	3.35	Arsanilic acid:Guar., 0.0099%; found, 0.0138%.
2.00	3.67	16.00	7.23	
3.00	3.54	4.00	3.01	Nicarbazin: Guar., 0.0125%; found, 0.0128%.
1.50	2.44	8.00	6.35	
3.00	3.33	8.00	6.51	
2.00	2.47	12.00	9.03	
3.00	3.43	4.00	3.31	
3.00	4.24	4.00	3.05	
3.00	3.36	5.00	3.57	
3.00	3.45	5.00	3.63	p-Ureidobenzenearsonic acid: Guar., 0.0375%; found, 0.0344%.
3.50	5.24	12.00	8.10	
2.50	4.09	9.00	6.10	
3.00	3.39	5.00	3.55	Sulfaquinoxaline: Guar., 0.0150%; found, 0.0098%. 3-Nitro-4-hydroxyphenylarsonic acid: Guar., 0.0050%; found, 0.0047%.
4.00	6.03	2.00	1.88	
3.00	3.78	6.00	3.16	3-Nitro-4-hydroxyphenylarsonic acid: Guar., 0.0050%; found, 0.0046%.
3.00	3.53	6.00	4.63	
4.00	4.33	5.00	4.52	
4.00	3.79	5.00	3.53	3-Nitro-4-hydroxyphenylarsonic acid: Guar., 0.0050%; found, 0.0050%.
2.50	4.04	10.00	7.36	
3.50	3.66	9.00	5.55	

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

Station No.	Manufacturer and brand	Moisture	Protein (N x 6.25) Guaranteed not less than	Protein (N x 6.25) Found
9319	Elmore Fair Acres Dairy Ration	11.47	15.00	16.25
9312	Elmore Fitting Ration 14%	11.21	14.00	15.00
9322	Elmore Flaked Pelleted Calf Starter	12.02	18.00	19.25
9320	Elmore Game Bird Grower	10.37	20.00	20.00
9311	Elmore Grand Champion Ration	9.21	15.00	15.00
9385	Elmore 20% Laying Mash	10.19	20.00	20.25
9425	Elmore Milk Grains "Sixteen"	11.15	16.00	16.00
9368	Elmore Pacemaker 16% Dairy Ration	10.49	16.00	19.25
9555	Elmore Restricted Grower	11.31	14.00	14.25
9325	Elmore Stock Feed	11.76	9.00	11.75
9736	Elmore Super Broiler Ration (1N)	11.73	22.00	19.88
9554	Elmore Super Silage	12.06	11.00	11.00
9310	Elmore Test Ration 16%	11.56	16.00	16.00
9369	Elmore Test Ration 18%	10.71	18.00	19.38
9370	Elmore Turkey Finisher (Fattener)	10.71	16.00	16.00
9849	Elmore Turkey Growing Mash (1H)	11.36	20.00	17.25
	JOHN W. ESHELMAN & SONS Lancaster, Pa.			
9303	Lancaster 16 Dairy Feed	9.98	16.00	18.63
9111	Lancaster 20 Dairy Feed	11.18	20.00	20.00
9301	Lancaster Scratch Grains	12.35	9.00	9.75
9112	Pennsy Complete Laying Ration	11.41	16.00	16.75
9429	Pennsy 16 Dairy Feed	9.82	16.00	18.50
9099	Pennsy Laying Mash	10.74	20.00	20.00
9846	Red Rose Broiler Finisher	11.47	21.00	19.50
9358	Red Rose Calf Grower	11.51	14.00	16.88
9359	Red Rose Cattle Supplement	10.26	32.00	29.50
9409	Red Rose Chick Grains	11.70	9.00	10.00
9098	Red Rose Complete Growing Ration	11.47	16.00	16.63
8736	Red Rose Complete Laying Ration	12.79	16.00	16.00

~~~ indicates deficiencies.
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INSPECTION OF 1959

Fat		Fiber		Medicants
Guaranteed not less than	Found	Guaranteed not more than	Found	
3.50	3.59	9.00	7.17	
3.50	3.53	8.00	6.11	
2.50	3.04	8.00	5.77	
3.00	3.94	10.00	6.71	
3.50	3.84	9.00	5.91	
3.25	3.39	6.00	5.13	
3.50	3.94	9.00	6.59	
3.00	3.00	10.00	6.88	
3.00	4.23	12.00	6.44	
3.00	3.28	11.00	6.02	
4.50	3.17	4.00	2.98	Nicarbazin: Guar., 0.0125%; found, 0.0170%. 3-Nitro-4-hydroxyphenylarsonic acid: Guar., 0.005%;found, 0.0035%.
2.00	2.10	18.00	17.30	
4.00	5.03	9.00	6.23	
4.00	4.18	9.00	6.27	
4.00	4.04	6.00	3.86	
3.50	3.73	8.00	5.10	4-Nitrophenylarsonic acid: Guar.,0.025%; found, 0.0142%.
2.50	3.88	13.00	4.34	
2.50	3.73	12.50	11.23	
2.00	2.00	4.00	2.64	
3.50	3.82	7.00	5.48	
2.50	2.53	15.00	10.75	
3.50	3.81	7.50	5.10	
5.50	4.76	3.50	3.85	3-Nitro-4-hydroxyphenylarsonic acid: Guar., 0.005%; found, 0.0051%.
3.00	3.84	8.50	6.45	
2.00	3.44	9.50	8.37	
2.00	2.78	3.00	1.38	
4.00	4.01	6.00	4.39	
4.00	5.03	5.00	3.71	

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

Station No.	Manufacturer and brand	Moisture	Protein (N x 6.25	
			Guaranteed not less than	Found
8714	Red Rose 18 Dairy Feed	12.10	18.00	20.63
8734	Red Rose Fitting Ration	13.18	12.00	13.13
9097	Red Rose Growing Mash	10.89	20.00	20.38
8735	Red Rose Hog Meal	12.72	16.00	17.13
9100	Red Rose Horse Feed	12.21	9.00	9.38
9430	Red Rose Intermediate Chick Grains	13.00	9.00	9.25
9305	Red Rose Laying Mash	10.49	20.00	21.00
9114	Red Rose Porkmaker	11.56	14.00	16.00
8733	Red Rose Rabbit Pellets	11.21	18.00	18.00
9113	Red Rose Scratch Grains	13.74	9.00	9.25
9360	Red Rose 14 Test Cow Feed	10.48	14.00	16.13
9190	S-O-S	11.83	11.00	14.00
	EVANS MILLING CO. INC. Indianapolis, Ind.			
9533	Emco Hominy Feed	11.11	10.00	11.38
	FARM BUREAU ASSOCIATION Waltham, Mass.			
8915	Farm Bureau 16% Dairy Ration	12.19	16.00	16.50
8913	Farm Bureau 14% Milking Ration	11.48	14.00	15.38
9503	Milk Replacer	7.13	24.00	24.88
	FARMERS FEED CO. Brooklyn, N. Y.			
8922	"Bull Brand" Brewers Dried Grains	10.62	26.00	28.13
	FISH PRODUCTS CO. of NEW JERSEY, Tuckerton, N.J.			
8750	Smith's Lifeline Fish Meal Stabilized with (Food Grade) Butylated-Hydroxy-Toluene	9.46	60.00	64.38
	FLORIDA CITRUS CANNERS COOPERATIVE Lake Wales, Fla.			
9110	Lake Wales Brand Citrus Pulp	11.91	6.00	6.00

~~~~ indicates deficiencies.
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INSPECTION OF 1959

Fat		Fiber		Medicants
Guaranteed not less than	Found	Guaranteed not more than	Found	
3.50	3.81	9.50	7.49	
3.50	4.16	8.00	7.06	
4.00	4.07	7.00	4.49	
3.50	3.64	8.00	5.09	
3.00	3.38	10.00	4.97	
2.00	2.48	3.00	1.35	
4.00	4.46	5.50	4.03	
3.50	3.86	7.00	6.16	
3.00	3.89	10.00	8.63	
2.00	2.77	4.00	2.65	
3.50	3.83	8.50	7.41	
2.00	3.28	16.00	13.79	
5.00	5.10	7.00	3.61	
3.50	4.24	8.50	6.77	
3.50	4.51	8.00	6.75	
2.00	1.77	1.50	0.85	
6.00	8.00	17.00	11.51	
5.00	8.46	3.00	0.11	
2.00	2.25	16.00	10.41	

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

Station No.	Manufacturer and brand	Moisture	Protein (N x 6.25) Guaranteed not less than	Protein (N x 6.25) Found
	GENERAL FOODS CORP. Kankakee, Ill.			
8918	Burt's Hominy Feed	14.09	9.00	9.88
	GENERAL MILLS, INC. Minneapolis, Minn.			
8723	Ben Hur Wheat Bran	12.21	14.00	14.88
9250	Washburn's Gold Medal Wheat Adrian Red Dog	13.17	16.00	17.00
8760	Washburn's Gold Medal Wheat Bran & Ground Wheat Screenings	12.65	15.00	15.50
	GENERAL MILLS, INC. Larrowe Region Detroit, Mich.			
9157	Gold Medal Karmel Grist	11.01	16.00	19.00
8906	Gold Medal Stock Champ	13.70	10.00	10.38
9623	Larro Chick Grains	12.26	9.00	11.50
9208	Larro Medicated SureLift	10.96	16.00	18.50
9624	Larro SureCalf	11.17	20.00	20.13
9729	Larro SureGrow Complete "H-E" (NCB) Medicated	10.79	16.00	18.38
9162	Larro SureLay Complete "H-E"	11.21	16.00	17.63
9929	Larro SureLay Complete "H-E" (.00275 FRZ) Medicated	10.81	16.00	18.00
9156	Larro SureMilk 16	12.00	16.00	17.88
9712	Larro SureRabbit Medicated	9.69	15.00	15.88
9207	Larro SureTurk	10.59	27.00	30.38
	GLOUCESTER BY-PRODUCTS, INC., Gloucester, Mass.			
9138	Globpro Brand 60% Protein Fish Meal	8.61	60.00	63.75

~~~ indicates deficiencies.
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INSPECTION OF 1959

Fat		Fiber		Medicants
Guaranteed not less than	Found	Guaranteed not more than	Found	
5.00	5.24	6.00	3.90	
2.50	4.37	12.00	5.15	
3.50	3.18	4.00	1.97	
3.00	4.69	12.00	9.08	
1.00	2.43	24.00	19.38	
3.00	3.58	8.00	5.41	
2.00	4.71	4.00	1.77	
3.00	3.43	3.50	3.48	Antibiotics guaranteed; not determined.
2.50	3.03	9.00	6.38	
3.50	3.34	5.50	4.94	Nicarbazin: Guar., 0.010%; found, 0.0102%.
3.50	4.34	5.00	3.72	
3.50	3.97	5.00	3.03	Furazolidone:Guar., 0.00275%; found, 0.00226%.
3.00	3.13	9.00	6.61	
2.00	3.08	19.00	15.07	Furazolidone: Guar., 0.0055%; found, 0.0061%.
2.50	2.81	8.50	6.68	
8.00	11.59	1.00	0.18	

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

Station No.	Manufacturer and brand	Moisture	Protein (N x 6.25) Guaranteed not less than	Protein (N x 6.25) Found
	D. H. GRANDIN MILLING CO. Jamestown, N. Y.			
9364	Grandin's Horse Feed	10.62	9.00	12.75
9366	Grandin's Laying Mash	9.99	20.00	21.75
9367	Grandin's Rabbit Pellets	10.29	17.00	19.25
9365	Grandin's Start-To-Finish	9.76	20.00	22.13
	GRAND ISLAND CITRUS COOPERATIVE, Umatilla, Fla.			
8834	Golden Gems Sweet Dried Citrus Pulp	10.79	6.00	6.00
	THE GREAT ATLANTIC & PACIFIC TEA CO. Minneapolis, Minn.			
9659	Daily Egg Laying Mash	9.97	20.00	23.63
	HAFFENREFFER & CO. Boston, Mass.			
9103	Haffenreffer & Co's. Brewers' Dried Yeast	10.04	40.00	46.25
	HALES & HUNTER CO. Chicago, Ill.			
9127	Big-R-Buy 16 Dairy	13.24	16.00	18.38
9293	Pioneer Calf Starter	11.16	18.00	19.13
9123	Pioneer Dairy Fitting Feed	12.43	14.00	15.75
8771	Pioneer Dairy Production 16	11.64	16.00	17.25
9122	Pioneer Dairy Production 18	12.67	18.00	19.63
8770	Pioneer Dry & Freshening	11.26	12.00	14.50
9292	Pioneer Hog Finisher	10.56	12.00	12.88
9295	Pioneer Horse Feed	11.00	12.00	13.63
8768	Pioneer Pelleted Flaked 15 Dairy	11.60	15.00	17.25
9806	Pioneer Pig Gro-Pel Medicated	11.24	16.00	19.25
9298	Pioneer Rabbit Pellets	10.22	16.00	17.13
9507	Red Comb Breeder Mash	10.54	20.00	20.00
9509	Red Comb C Flakes	11.97	15.00	15.75
9294	Red Comb Complete Layer	9.92	17.00	18.13

~~~ indicates deficiencies.
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INSPECTION OF 1959

Fat		Fiber		Medicants
Guaranteed not less than	Found	Guaranteed not more than	Found	
3.00	3.13	11.00	7.12	
2.00	3.52	4.50	5.07	
3.00	3.41	18.00	11.52	
2.50	4.07	6.00	5.87	
2.50	4.63	11.00	6.87	
3.00	3.01	7.50	7.42	
0.75	0.50	5.50	0.27	
2.00	2.28	13.00	6.86	
2.50	3.00	7.00	4.48	
3.00	3.46	8.00	7.29	
3.00	3.17	8.00	7.15	
3.00	3.44	8.00	6.47	
2.50	3.28	8.00	5.17	
3.00	3.61	8.00	4.49	
2.50	3.84	8.00	6.57	
3.00	3.38	7.00	6.62	
3.00	3.99	6.00	4.12	Arsanilic acid: Guar., 0.01%; found, 0.0103%.
2.00	3.04	15.00	6.91	
3.50	5.38	6.50	5.01	
3.50	4.03	4.00	2.43	
3.50	3.88	5.50	4.92	

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

Station No.	Manufacturer and brand	Moisture	Protein (N x 6.25) Guaranteed not less than	Protein (N x 6.25) Found
8758	Red Comb Complete Turkey Grower	10.86	18.00	19.00
8772	Red Comb Duck Grower	10.27	16.00	17.75
9564	Red Comb Duck Starter	10.28	18.00	19.38
9493	Red Comb Egg Mash	10.28	20.00	20.88
9492	Red Comb Growing Mash	10.96	18.00	19.88
9508	Red Comb Medicated Sup-Pel	11.43	21.00	22.25
9297	Red Comb Pullet Developer	9.52	12.00	15.50
9296	Red Comb Scratch Feed	11.22	9.00	10.25
	HARPER FEED MILLS Washington, Pa.			
9544	Harco Milk Replacer for Young Calves	8.94	25.00	29.50
8776	Warren's Complete Laying Mash	10.36	16.00	18.38
8774	Warren's 20% Laying Mash	10.74	20.00	20.00
8781	Warren's Test Cow 16% Dairy	11.90	16.00	20.75
	HIGHLAND PRODUCTS, INC. Minneapolis, Minn.			
9321	Highland's Hi-Nutra	9.82	25.00	25.00
	H. P. HOOD & SONS, INC. Boston, Mass.			
9593	Powdered Skim Milk	5.71	32.00	38.25
	THE HUBINGER CO. Keokuk, Iowa			
9591	Ke OK uk Brand Corn Gluten Meal	9.59	41.00	45.00
	ILLINOIS CEREAL MILLS, INC. Paris, Ill.			
9536	Hominy Feed	10.85	10.00	11.00
	INDUSTRIAL MOLASSES CORP. Minneapolis, Minn.			
9132	Dried Beet Pulp	11.71	7.00	8.63

〰〰 indicates deficiencies.

INSPECTION OF 1959

Fat		Fiber		Medicants
Guaranteed not less than	Found	Guaranteed not more than	Found	
3.00	4.00	6.00	5.12	
3.00	3.43	6.00	4.61	
3.00	3.50	6.50	4.54	
3.50	4.83	6.50	5.37	
3.50	4.99	7.00	8.94	
4.00	4.74	6.50	5.38	Antibiotic guaranteed, not determined.
3.00	3.79	18.00	11.91	
2.00	3.43	5.00	3.55	
3.50	3.54	2.00	1.21	
3.00	3.74	7.00	6.34	
3.00	3.70	6.00	4.84	
3.50	5.14	8.50	7.16	
4.00	4.34	2.00	1.79	
0.50	0.54	- -	- -	
1.00	1.99	6.00	2.41	
5.00	5.77	6.00	4.34	
0.30	0.58	22.50	19.99	

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

Station No.	Manufacturer and brand	Moisture	Protein (N x 6.25) Guaranteed not less than	Protein (N x 6.25) Found
	INTERNATIONAL MILLING CO. Minneapolis, Minn.			
8751	Blackhawk Wheat Bran with Ground Mixed Screenings	11.41	13.50	15.75
9343	Blackhawk Wheat Standard Middlings with Ground Mixed Screenings	10.39	14.00	18.63
9502	Target Wheat Red Dog	12.03	15.00	18.00
	HERMAN ISACS, INC. Bridgeport, Conn.			
8823	Hi-Test Meat & Bone Meal	7.04	50.00	50.00
	KELLOGG SALES CO. Battle Creek, Mich.			
8856	Kellogg's Hominy Feed	11.76	9.50	11.00
	KEYSTONE DEHYDRATORS Nazareth, Pa.			
9530	Keystone Super Green Dehydrated Alfalfa Meal with Santoquin in Vegetable Fat Product	8.04	17.00	20.38
	KRAFT FOODS DIV. New York, N. Y.			
9152	Kaff-A Booster Pellets	10.85	26.00	26.75
9568	Kaff-A Milk Replacer for Calves Medicated	6.57	21.00	24.38
	CHAS. A. KRAUSE MILLING CO. Milwaukee, Wis.			
9488	Badger Yellow Hominy Feed	10.70	10.00	11.00
	KUDER PULP SALES CO. Lake Alfred, Fla.			
8716	Kuder Dried Citrus Pulp, High Sugar	10.54	6.00	6.38

~~~~ indicates deficiencies.
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INSPECTION OF 1959

Fat		Fiber		Medicants
Guaranteed not less than	Found	Guaranteed not more than	Found	
3.50	5.83	12.00	10.12	
3.00	6.44	9.50	7.59	
2.00	3.03	4.00	3.34	
2.00	2.03	3.00	1.36	
6.50	6.29	4.50	3.68	
2.00	2.51	27.00	21.84	
5.00	6.24	3.50	2.84	
10.50	9.18	2.00	0.71	Antibiotic guaranteed, not determined.
5.00	5.27	6.00	3.97	
3.00	3.24	15.00	5.17	

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

Station No.	Manufacturer and brand	Moisture	Protein (N x 6.25) Guaranteed not less than	Protein (N x 6.25) Found
	LAUHOFF GRAIN CO. Danville, Ill.			
9625	Vermilion Hominy Feed	10.94	9.00	10.88
	LAUHOFF SOYA CO. Danville, Ill.			
9631	44% Protein Solvent Extracted Soybean Oil Meal	10.05	44.00	47.25
	THE LIBNER GRAIN CO. Norwalk, Conn.			
9083	Libner's Blue Ribbon 12% Fitting Ration	14.16	12.00	16.25
9081	Libner's Blue Ribbon Growing Mash with Cod Liver Oil	12.16	18.00	24.13
9082	Libner's Blue Ribbon Horse & Calf Ration	14.87	10.50	11.00
9080	Libner's Blue Ribbon Milk Egg Mash with Cod Liver Oil	12.97	20.00	23.88
9415	Libner's 20% Milk Flow Dairy Ration	11.47	20.00	17.63
	MACHNICKI'S GRAIN STORE Jewett City, Conn.			
9134	Machnicki's Hi-Energy All-Mash Layer	12.11	16.00	17.50
9692	Master Made Hi-Calorie Broiler Finisher Medicated	12.22	19.00	21.00
	MAINE REDUCTION CO. INC. Brooks, Maine			
9347	Poultry By-Products Meal	4.24	55.00	60.50
	THE MANITOBA SUGAR CO. Winnipeg, Canada			
9506	Molasses Dried Beet Pulp	9.50	7.00	10.13

~~~ indicates deficiencies.
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INSPECTION OF 1959

Fat		Fiber		Medicants
Guaranteed not less than	Found	Guaranteed not more than	Found	
5.00	4.88	6.00	4.65	
4.00	4.89	7.00	4.93	
4.00	3.15	10.00	6.01	
4.00	4.67	6.00	6.33	
3.50	3.41	7.00	6.25	
3.00	4.82	6.50	6.00	
4.00	3.61	9.00	6.51	
3.50	3.23	3.50	3.00	
4.50	4.61	3.50	1.70	Arsanilic acid:Guar., 0.0088%; found, 0.0093%. Nicarbazin: Guar., 0.0125%;found, 0.0122%.
12.00	13.80	2.50	1.32	
0.30	0.50	20.00	14.04	

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

Station No.	Manufacturer and brand	Moisture	Protein (N x 6.25) Guaranteed not less than	Protein (N x 6.25) Found
	MARION MILLING CO. Marion, Ohio			
9569	Cloverleaf Wheat Middlings & Ground Wheat Screenings	11.92	14.00	14.75
	MARITIME MILLING CO., INC. Buffalo, N. Y.			
9487	B-B 16% Dairy Ration	11.32	16.00	16.00
9505	B-B Green Acres 14%	11.21	14.00	16.63
9857	Ma-Co Complete Grower & Layer Ration Medicated 1025-AR	10.72	17.00	17.00
9130	Marmico 16% Protein Dairy Feed	10.21	16.00	17.25
9858	Super Ma-Co Complete Breeder Ration Medicated 845-AR	11.96	18.00	18.00
	MAXON MILLS, INC. Wassaic, N. Y.			
9601	Maxon 14% Fitting	12.01	14.00	16.50
9600	Maxon 16% Test	12.49	16.00	17.38
9602	Maxon 18% Test	13.10	18.00	16.75
	McMILLEN FEED MILLS Ft. Wayne, Ind.			
9494	Master Made Hi-Calorie All Mash Layer 215-03A	12.29	17.00	18.75
9143	Master Mix All Mash Pullet Developer	11.72	14.50	14.63
9145	Master Mix All Mash Turkey Grower 421	12.30	18.00	18.63
9613	Master Mix Calflac	4.63	18.00	18.63
9728	Master Mix Chick Starter 103-21D Medicated	10.86	21.00	23.00
8756	Master Mix Complete Rabbit Pellets	10.93	15.00	17.38
9144	Master Mix Complete Turkey Finisher	12.51	16.00	15.13
9165	Master Mix 14% Dairy Feed	11.86	14.00	15.75
9135	Master Mix 16% Dairy Feed	12.37	16.00	17.50
9606	Master Mix Egg Mash	10.51	20.00	20.00
9636	Master Mix Flaked Soybean Hulls	10.54	9.00	10.25

~~~ indicates deficiencies.
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INSPECTION OF 1959

Fat		Fiber		Medicants
Guaranteed not less than	Found	Guaranteed not more than	Found	
3.00	4.17	9.00	6.40	
4.00	5.22	10.00	8.94	
3.00	3.96	12.00	9.00	
4.00	4.26	4.50	4.13	Arsanilic acid:Guar., 0.010%; found, 0.0120%.
3.00	3.81	12.00	8.84	
3.00	3.83	3.00	4.03	Arsanilic acid:Guar., 0.010%; found, 0.0105%.
3.50	3.67	10.00	6.40	
4.00	4.31	9.00	6.33	
4.00	4.38	9.00	5.99	
4.50	5.01	3.50	2.54	Antibiotic guaranteed, not determined.
3.50	3.88	3.50	4.83	
3.50	4.27	5.00	4.28	
11.50	11.19	0.50	0.21	
3.50	3.74	5.00	4.32	Nicarbazin: Guar., 0.0125%; found, 0.0124%.
2.00	3.27	16.00	12.96	
3.50	3.67	6.00	4.08	
3.00	2.54	10.00	10.61	
3.50	3.19	10.00	7.08	
2.50	3.78	7.00	6.80	
2.00	2.03	38.00	31.87	

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

Station No.	Manufacturer and brand	Moisture	Protein (N x 6.25) Guaranteed not less than	Protein (N x 6.25) Found
9166	Master Mix Hi-Calorie Broiler Finisher Concentrate	10.56	41.00	41.50
9709	Master Mix Hi-Calorie Broiler Starter 307-77L Medicated	12.12	24.00	24.63
9612	Master Mix Horse Feed	11.52	10.00	12.63
9925	Master Mix Prime Finisher 77B Medicated	12.24	15.00	15.75
9137	Master Mix Sweet Flakes	11.38	7.00	9.75
	MEECH & STODDARD, INC. Middletown, Conn.			
9650	M & S Economy Dairy Feed	12.21	16.00	17.50
8837	Quality Brand Complete Grower & Layer	12.51	16.00	17.50
8701	Red Wing Calf Starter & Grower	13.59	16.00	18.25
8846	Red Wing Calf Starter & Grower	13.06	16.00	16.63
8698	Red Wing 16% Dairy Feed	15.18	16.00	16.25
8697	Red Wing Fitting Ration	11.37	14.00	14.13
8845	Red Wing Growing Mash	12.04	17.00	19.38
8842	Red Wing Horse Feed	13.49	9.00	11.00
8843	Red Wing Laying Mash	11.96	18.00	20.13
8844	Red Wing Pig & Hog Feed	13.04	17.00	16.13
8700	Red Wing Rabbit Pellets	11.89	19.50	16.50
9651	Red Wing Rabbit Pellets	11.29	19.50	19.25
8852	Red Wing Starting Mash	12.71	18.00	19.13
8840	Red Wing Stock Feed	11.59	10.00	10.50
8838	Special Balance Growing Mash	11.43	18.00	17.75
8699	Special Balance High Efficiency Complete Growing Mash	13.56	15.00	15.75
8841	Special Balance High Efficiency Complete Laying Mash	11.91	16.00	17.88
9649	Special Balance Laying Mash	11.41	20.00	20.00
	MINER-HILLARD MILLING CO. Wilkes-Barre, Pa.			
9079	Choice Steam Cooked Hominy Feed	12.84	10.00	9.38

~~~ indicates deficiencies.
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INSPECTION OF 1959

Fat		Fiber		Medicants
Guaranteed not less than	Found	Guaranteed not more than	Found	
10.00	10.29	3.50	2.54	
6.00	6.29	3.00	1.99	Nicarbazin: Guar., 0.0125%; found, 0.0118%. 3-Nitro-4-hydroxyphenylarsonic acid: Guar., 0.0050%; found, 0.0040%.
3.00	3.94	9.00	5.50	
4.50	4.68	4.00	2.95	Nicarbazin: Guar., 0.010%; found, 0.0152%. 3-Nitro-4-hydroxyphenylarsonic acid: Guar., 0.0050%; found, 0.0046%.
1.50	1.59	25.00	26.72	
3.50	3.18	10.00	8.32	
4.00	4.26	4.50	2.97	
3.00	3.76	8.00	7.35	
3.00	3.81	8.00	4.13	
3.50	4.49	9.00	4.30	
3.50	4.56	9.00	7.69	
3.00	3.79	8.00	6.74	
3.20	3.69	7.00	5.16	
3.00	3.59	8.00	6.48	
3.00	3.19	7.00	4.09	
3.00	3.69	10.00	8.25	
3.00	3.44	10.00	7.69	
3.30	3.62	6.50	5.90	
2.50	2.59	11.00	6.71	
3.50	3.48	6.00	6.57	
3.50	4.94	5.00	5.10	
3.00	3.48	5.00	5.00	
3.00	3.09	6.00	5.42	
5.00	4.43	5.00	3.46	

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

Station No.	Manufacturer and brand	Moisture	Protein (N x 6.25) Guaranteed not less than	Protein (N x 6.25) Found
	MINUTE MAID CORP. Leesburg, Fla.			
8769	Golden Isle Citrus Pulp	9.98	5.50	5.50
	MOLSON'S BREWERY, LTD. Montreal, Canada			
9281	Molson's Brewers Dried Grains	9.36	22.00	22.88
	GEO. Q. MOON & CO. INC. Binghamton, N. Y.			
9086	Moon Complete Growing Mash	11.54	16.00	16.25
9087	Moon Complete Laying Mash	10.45	16.00	17.00
9485	Moon Horse Feed	12.48	9.00	11.88
9484	Moon Laying Mash	10.01	22.00	22.25
9085	Moon Rabbit Pellets	11.53	15.00	16.88
8757	Moon Scratch Feed	14.38	10.00	10.00
	MOWAT, WILSON & CO. Detroit, Mich.			
9107	Dried Beet Pulp	11.76	7.00	7.00
	NAPOLEON ALFALFA MILLS, INC., Napoleon, Ohio			
9218	17% Dehydrated Alfalfa Meal, Evergreen Brand	7.48	17.00	15.13
	NATIONAL ALFALFA DEHYDRATING & MILLING CO. Lamar, Colo.			
8920	Krumbles	9.15	13.00	13.13
9528	National 17% Protein Dehydrated Alfalfa Meal	7.80	17.00	18.88
	NATIONAL BISCUIT CO. Toledo, Ohio			
8767	Pure Wheat Bran	11.96	13.00	16.00

~~~ indicates deficiencies
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INSPECTION OF 1959

Fat		Fiber		Medicants
Guaranteed not less than	Found	Guaranteed not more than	Found	
2.75	2.64	15.00	10.29	
7.00	5.44	15.00	10.94	
4.50	4.19	6.50	5.73	
4.50	4.44	6.50	5.41	
1.50	3.00	10.00	7.21	
4.00	4.13	6.50	4.82	
2.50	3.09	12.00	11.29	
2.00	2.86	5.00	2.71	
0.30	0.91	22.50	19.57	
1.25	2.48	27.00	23.96	
1.50	3.43	33.00	28.36	
1.50	3.49	27.00	21.97	
3.00	4.18	10.00	9.02	

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

Station No.	Manufacturer and brand	Moisture	Protein (N x 6.25) Guaranteed not less than	Protein (N x 6.25) Found
	NATIONAL DISTILLERS PRODUCTS CO. New York, N. Y.			
9346	Nadrisol Brand Corn Distillers Dried Solubles	8.30	25.00	27.88
9571	Produlac Brand Corn Distillers Dried Solubles with Grains	10.32	25.00	26.63
	NEW JERSEY FLOUR MILLS CO. Clifton, N. J.			
9640	Clifton Wheat Bran	11.51	14.20	14.19
	NOPCO CHEMICAL CO. Newark, N. J.			
9599	Hi-Lay Premix Code DDA	6.66	7.00	9.88
9598	Super Premix Code EAZ Medicated	10.72	6.00	12.25
9101	Nopdex "3000"	10.28	10.00	10.13
9597	Nopdex "3000"	8.70	10.00	10.00
	NORTHERN OHIO SUGAR CO. Denver, Colo.			
9106	GW Dried Beet Pulp	11.68	8.00	8.00
	OGDEN GRAIN CO. Utica, N. Y.			
9920	Ogden Broiler Finisher Feed Medicated	11.86	19.00	19.00
9486	Ogden Complete Layer	10.05	16.00	16.63
8813	Ogden Growing Mash	11.87	18.00	18.00
9213	Ogden Hi-Energy Growing Mash	10.69	16.00	17.25
9209	Ogden Hi-Energy Laying Mash	10.69	16.00	18.13
9921	Ogden Hi-Energy Starter & Broiler Medicated	12.61	22.00	22.00
9620	Ogden Horse Feed	12.56	10.00	11.38
9541	Ogden Laying Mash	11.71	20.00	21.63

~~~ indicates deficiencies.
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INSPECTION OF 1959

Fat		Fiber		Medicants
Guaranteed not less than	Found	Guaranteed not more than	Found	
8.00	9.21	4.00	4.02	
8.00	8.81	9.00	5.98	
3.00	4.85	9.80	7.93	
2.00	2.33	20.00	20.37	
1.00	2.10	20.00	15.92	Antibiotic guaranteed, not determined.
0.50	1.74	40.00	34.44	
0.50	2.38	40.00	34.81	
- -	- -	22.50	20.35	
5.00	4.38	3.00	2.85	Nicarbazin: Guar., 0.0125%; found, 0.0152%. Para-aminobenzoic acid: Guar., 0.010%; found, 0.0102%.
3.00	3.53	4.00	3.54	
3.00	4.09	6.50	5.06	
4.50	4.92	4.00	3.21	
4.50	4.53	4.00	3.41	
4.50	4.94	4.00	2.85	Nicarbazin: Guar., 0.0125%; found, 0.0138%. Para-aminobenzoic acid: Guar., 0.010%; found, 0.0088%.
3.00	3.93	9.00	5.69	
3.00	3.03	6.00	4.12	

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

Station No.	Manufacturer and brand	Moisture	Protein (N x 6.25) Guaranteed not less than	Protein (N x 6.25) Found
9216	Ogden Milk Replacement	5.31	21.00	21.88
9210	Ogden Premium 14% Fitting Ration	9.11	14.00	15.63
9211	Ogden Premium 18% Test Cow Ration	11.50	18.00	19.50
9215	Ogden Rabbit Pellets	10.08	18.00	19.25
8791	Ogden Reliable 16% Dairy Feed	11.52	16.00	16.25
9619	Ogden Reliable 16% Dairy Feed	11.68	16.00	14.25
8793	Ogden Scratch Grains	11.77	9.00	10.50
9212	Ogden Super Hi-Energy Laying Mash	10.51	20.00	20.00
9214	Ogden Super Pig Ration	10.36	14.00	14.13
	THE PARK & POLLARD CO., INC. Buffalo, N. Y.			
9333	Lay or Bust Complete Grower & Layer	10.93	16.00	17.75
9332	Milk-Maid Calf Starter	11.33	19.00	18.38
9131	Milk-Maid 16% Dairy Ration	10.92	16.00	18.38
9328	Milk-Maid 20% Dairy Ration	10.93	20.00	20.00
9499	Milk-Maid Dri-Fresh Fitting Ration	12.28	14.00	16.50
9327	Milk-Maid 14% Test Ration	10.88	14.00	16.75
9498	Park & Pollard Go-Tu-It Pig Grower	10.47	16.00	17.88
9807	Park & Pollard Go-Tu-It Pig Grower Medicated 560-AR	11.51	16.00	17.75
9395	Park & Pollard Hi-Speed Horse Feed	10.94	12.00	14.75
9394	Park & Pollard Rabbit Pellets	9.84	17.50	18.25
9331	Red Ribbon 16% Dairy Ration	10.11	16.00	16.00
9330	Super Lay or Bust Egg Mash	11.31	21.00	21.00
9393	Super Lay or Bust Growing Feed	10.17	20.00	22.38
	PASCO PACKING CO. Dade City, Fla.			
8746	Sugar Sweet Citrus Pulp	11.23	6.00	6.00
	PENICK & FORD LTD. INC. Cedar Rapids, Iowa			
8829	Douglas Corn Gluten Meal	9.21	41.00	44.50
8850	21% Douglas Corn Gluten Feed	9.76	21.00	23.00

~~~ indicates deficiencies.
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INSPECTION OF 1959

Fat		Fiber		Medicants
Guaranteed not less than	Found	Guaranteed not more than	Found	
8.50	8.14	0.50	0.27	
3.00	3.90	9.00	6.76	
3.50	3.53	9.00	6.71	
3.00	3.00	12.00	11.54	
3.00	3.03	9.00	10.06	
3.00	3.70	9.00	6.50	
3.00	3.18	6.00	2.77	
4.50	4.77	4.50	4.15	
3.50	4.21	7.00	5.09	
4.00	5.94	5.50	4.94	
3.00	4.23	8.00	5.73	
4.00	4.20	9.00	8.54	
4.00	5.46	9.00	6.15	
4.00	4.03	9.00	7.58	
5.00	5.13	9.00	4.22	
3.00	3.11	6.00	4.38	
3.00	3.09	6.00	4.83	Arsanilic acid: Guar., 0.010%; found, 0.0102%.
3.00	3.52	9.00	7.27	
3.00	3.34	15.00	11.40	
3.00	4.00	12.00	5.52	
4.00	3.61	4.50	3.08	
4.00	3.81	4.50	3.06	
3.00	2.54	13.50	10.57	
1.50	1.84	6.00	4.58	
1.00	2.28	10.00	8.78	

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

Station No.	Manufacturer and brand	Moisture	Protein (N x 6.25) Guaranteed not less than	Protein (N x 6.25) Found
	PIERCE FEED CO., INC. Brooklyn, Conn.			
9387	Pierce Complete Layer	11.16	17.00	17.00
9388	Pierce 22% Layer	10.03	22.00	22.75
	THE PILLSBURY CO. Minneapolis, Minn.			
9497	Pillsbury's Wheat Germ Meal	11.25	25.00	26.38
	PILLSBURY of CANADA LTD. Midland, Canada			
9226	Dandy Wheat Bran	9.98	14.00	16.38
	PITTSBURGH PLATE GLASS CO. Red Wing, Minn.			
9090	Red Wing 34% Protein Solvent Extracted Linseed Oil Meal	11.66	34.00	37.00
	THE QUAKER OATS CO. Chicago, Ill.			
8902	Ful-O-Pep Derwood Horse Crunch	9.86	15.00	15.88
9504	Yellow Hominy Feed	12.46	10.00	8.63
	QUAKER OATS CO. of CANADA LTD., Peterborough, Canada			
9573	Bell Cow Wheat Bran	11.81	15.00	18.13
	RALSTON PURINA CO. St. Louis, Mo.			
8703	Checkerboard Pasture Ration	11.46	16.00	16.13
9307	Northeastern Scratch Feed	9.86	9.00	9.25
9224	41% Protein Cottonseed Meal	9.28	41.00	43.25
9231	44% Protein Solvent Extracted Soybean Oil Meal	10.46	44.00	47.25
8737	Purina B & M Cow Chow D	12.89	16.00	16.75
8707	Purina Breeder Layena (Complete Ration) E	12.52	16.50	17.25
9845	Purina Broiler Chow Medicated	10.67	20.00	18.75

~~~ indicates deficiencies.
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INSPECTION OF 1959

Fat		Fiber		Medicants
Guaranteed not less than	Found	Guaranteed not more than	Found	
3.00	3.19	4.50	2.97	
3.00	4.24	5.00	3.90	
8.00	8.89	4.00	3.69	
3.50	4.90	11.50	10.06	
0.50	1.74	10.00	7.65	
4.00	5.62	10.00	9.64	
5.00	4.67	6.00	2.34	
3.50	4.38	11.50	9.46	
3.00	4.23	13.00	6.20	
2.00	2.04	5.00	4.52	
- -	2.43	- -	8.93	
0.50	0.70	7.00	6.35	
2.50	2.90	10.00	4.62	
4.00	4.87	4.50	3.92	
3.00	5.29	5.00	2.63	3-Nitro-4-hydroxyphenylarsonic acid: Guar., 0.0050%; found, 0.0060%.

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

Station No.	Manufacturer and brand	Moisture	Protein (N x 6.25) Guaranteed not less than	Protein (N x 6.25) Found
9715	Purina Broiler Chow UN Medicated	9.89	20.00	22.75
9739	Purina Broiler Chow Finisher (E) 3NC Medicated	10.14	20.00	21.50
9308	Purina Broiler Chow Finisher (E) NON	10.51	20.00	20.00
9741	Purina Broiler Chow Starter (E) 3NC Medicated	9.99	23.00	26.50
8739	Purina Bulky Las	12.79	10.00	10.63
9230	Purina Calf Startena	10.16	19.50	21.00
9229	Purina Chick Chow (Coarse)	12.71	9.00	9.63
9356	Purina Chick Chow (Fine)	12.13	10.00	10.25
8738	Purina Chicken Fatena Checkers E	11.90	14.00	14.75
8930	Purina Chick Growena	12.01	17.00	17.75
9952	Purina Chick Growena	9.86	17.00	18.88
9814	Purina Chick Growena Medicated	10.10	17.00	18.75
9716	Purina Chick Growena UN Medicated	9.80	17.00	17.00
9852	Purina Chick Startena UN Medicated	11.37	20.00	21.63

~~~ indicates deficiencies.
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INSPECTION OF 1959

Fat		Fiber		Medicants
Guaranteed not less than	Found	Guaranteed not more than	Found	
3.00	5.13	5.00	2.79	Acetyl (para-nitrophenyl) sulfanilamide: Guar., 0.030%; found, 0.0292%. 3-Nitro-4-hydroxyphenylarsonic acid: Guar., 0.0050%; found, 0.0040%. 3, 5-Dinitrobenzamide: Guar., 0.0250%; found, 0.0292%.
5.00	7.00	4.50	2.55	Nicarbazin: Guar., 0.0125%; found, 0.0140%. 3-Nitro-4-hydroxyphenylarsonic acid: Guar., 0.0050%; found, 0.0049%.
5.00	8.76	4.50	4.00	
5.00	6.04	4.50	2.62	Nicarbazin: Guar., 0.0125%; found, 0.0122%. 3-Nitro-4-hydroxyphenylarsonic acid: Guar., 0.0050%; found, 0.0040%.
1.50	2.12	15.00	12.73	
3.00	3.06	8.00	6.39	
2.00	2.52	4.00	1.52	
2.00	2.99	4.00	1.13	
3.00	4.13	6.00	4.72	
3.00	4.48	7.00	5.04	
3.00	4.08	7.00	4.76	
3.00	3.33	7.00	5.39	Sulfaquinoxaline: Guar., 0.10%; found, 0.070%.
3.00	4.13	7.00	5.19	Acetyl (para-nitrophenyl) sulfanilamide: Guar., 0.030%; found, 0.0324%. 3-Nitro-4-hydroxyphenylarsonic acid: Guar., 0.005%; found, 0.0042%. 3, 5-Dinitrobenzamide: Guar., 0.025%; found, 0.0321%.
2.50	4.17	7.00	4.47	Acetyl (para-nitrophenyl) sulfanilamide: Guar., 0.030%; found, 0.0336%. 3-Nitro-4-hydroxyphenylarsonic acid: Guar., 0.0050%; found, 0.0055%. 3, 5-Dinitrobenzamide: Guar., 0.025%; found, 0.0285%.

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

Station No.	Manufacturer and brand	Moisture	Protein (N x 6.25) Guaranteed not less than	Protein (N x 6.25) Found
9605	Purina Complete Sow Chow	11.61	16.00	17.25
8927	Purina Cow Chow D 16%	12.00	16.00	17.25
9233	Purina D & F Chow (Coarse)	10.73	12.50	12.63
9353	Purina Duck Growena	9.47	18.00	20.50
9225	Purina Egg Chow	9.58	20.00	20.63
9552	Purina Eggena	9.92	16.00	16.50
9351	Purina Game Bird Breeder Layena (Complete Ration)	8.74	20.00	22.50
9352	Purina Game Bird Growena	9.18	20.00	21.25
9355	Purina Game Bird Startena	8.89	30.00	32.75
9360	Purina Goat Chow	12.96	16.00	17.38
9603	Purina Goat Chow (Special)	11.07	16.00	17.25
9714	Purina Hog Finisher No. 1 Medicated	11.63	14.00	15.00
9354	Purina Lay Chow E	9.31	23.00	23.50
8705	Purina Layena (Complete Ration) E	11.66	16.50	18.13
9713	Purina Medicated Chek-R-Aid	10.39	20.00	21.88
8704	Purina Milk Chow D 16%	12.96	16.00	17.50
9397	Purina Mink Developer Chow	10.18	20.00	24.13
9412	Purina Nursing Chow	7.01	25.00	26.25
9924	Purina OF Broiler Chow Finisher (V) UN Medicated	12.31	20.00	21.13
9073	Purina Omolene	13.56	10.00	11.13
9357	Purina Pigeon Chow Checkers	9.86	15.00	17.13
9553	Purina Poultry Booster Chow	10.21	24.00	24.88
8702	Purina Pullet Developer	12.65	13.00	13.63
9089	Purina Rabbit Chow Checkers (20%)	10.54	20.00	20.63
9309	Purina Rabbit Chow Checkers (Complete Ration)	11.51	15.00	15.50
9815	Purina Rabbit Chow Checkers NF SQ (Complete Ration) Medicated	10.44	15.00	16.50

~~~ indicates deficiencies.
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INSPECTION OF 1959

Fat		Fiber		Medicants
Guaranteed not less than	Found	Guaranteed not more than	Found	
2.50	3.44	6.00	3.50	
2.50	2.79	8.00	4.42	
2.50	2.54	11.00	8.44	
3.00	3.88	5.00	3.63	
3.50	4.43	7.00	5.99	
3.50	4.27	7.00	5.07	
3.00	3.11	7.00	5.24	
3.00	4.08	7.00	4.58	
3.00	3.33	6.50	4.60	
3.00	4.08	9.00	7.48	
2.00	3.45	6.00	3.76	
2.50	2.85	7.00	3.06	3-Nitro-4-hydroxyphenylarsonic acid: Guar., 0.0025%; found, 0.0024%.
3.50	4.39	5.00	4.02	
3.50	4.83	4.50	3.95	
4.50	5.23	4.50	3.48	Furazolidone: Guar., 0.011%; found, 0.0103%.
2.50	3.50	10.00	6.40	
2.50	4.20	5.00	3.48	
2.50	2.51	1.50	0.88	
5.00	5.23	4.50	2.82	Acetyl (para-nitrophenyl) sulfanilamide: Guar., 0.030%; found, 0.0296%. 3-Nitro-4-hydroxyphenylarsonic acid: Guar., 0.0050%; found, 0.0043%. 3, 5-Dinitrobenzamide: Guar., 0.025%; found, 0.0225%.
3.00	3.94	9.00	7.87	
2.50	3.14	4.00	3.89	
2.50	3.36	6.50	4.65	
2.50	4.68	8.00	5.10	
2.00	2.94	16.00	13.14	
2.00	4.00	18.00	13.72	
2.00	2.32	18.00	12.80	Furazolidone: Guar., 0.0055%; found, 0.0044%. Sulfaquinoxaline: Guar., 0.025%; found, 0.0210%.

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

Station No.	Manufacturer and brand	Moisture	Protein (N x 6.25) Guaranteed not less than	Protein (N x 6.25) Found
9227	Purina Roaster Chow E	9.79	17.00	19.00
9604	Purina Special Steer Fatena 32%	10.38	32.00	33.13
9740	Purina Squab Broiler Chow 3NC Medicated	10.81	20.00	20.00
8929	Purina Turkey Fatena	11.26	17.00	18.50
9853	Purina Turkey Finisher No. 1 HZ Medicated	10.42	15.00	15.50
8928	Purina Turkey Finisher No. 2	11.59	13.50	15.38
9873	Purina Turkey Finisher No. 2 HZ Medicated	10.87	13.50	15.13
8706	Purina Turkey Growena No. 1	11.28	23.00	21.25
9232	Purina Turkey Growena No. 2	9.56	20.00	20.88
9411	Purina Turkey Pre-Starter	8.86	30.00	30.38
	READING MILLING CO., INC. Reading, Pa.			
9572	Faramel All Mash Grower	10.16	15.90	15.90
8725	Faramel All Mash Layer	11.32	16.00	16.63
8727	Faramel Rabbit Food Pellets	9.86	13.00	16.88
8726	Pure Winter Wheat Middlings	13.04	15.00	15.00
	RUSSELL-MILLER MILLING CO. Minneapolis, Minn.			
9656	Occident Wheat Bran	10.67	14.50	16.00
	WOLF SAVITSKY & SONS, INC. Shelton, Conn.			
9874	Wolf's Broiler Finisher Medicated	11.69	19.00	20.88
9561	Wolf's Calf Starter	12.22	18.00	18.00
9695	Wolf's Complete Hi-Eff Egg-Breeder Mash Medicated	11.66	16.00	17.00
8764	Wolf's Complete Hi-Eff Growing Mash	11.89	16.00	17.25
9221	Wolf's Egg Mash	10.91	20.00	20.63
9875	Wolf's Hi-Speed Starter & Broiler Ration Medicated	11.63	20.50	21.50

~~~~ indicates deficiencies.
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INSPECTION OF 1959

Fat		Fiber		Medicants
Guaranteed not less than	Found	Guaranteed not more than	Found	
4.00	5.13	6.50	2.56	
2.00	2.38	12.00	6.97	
3.50	3.33	4.50	3.29	Nicarbazin: Guar., 0.0125%; found, 0.0154%. 3-Nitro-4-hydroxyphenylarsonic acid: Guar., 0.0050%; found, 0.0044%.
3.50	4.09	5.50	4.58	
4.00	4.77	4.50	3.13	Nithiazide: Guar., 0.030%; found, 0.030%.
4.00	4.38	4.00	3.04	
4.00	4.31	4.00	2.52	Nithiazide: Guar., 0.030%; found, 0.030%.
3.50	4.42	6.00	5.31	
3.50	4.08	5.50	5.09	
3.00	4.07	5.50	4.35	
3.60	4.00	4.90	4.01	
3.50	3.96	4.50	3.15	
3.00	3.88	15.00	14.24	
4.00	3.26	8.00	3.16	
4.00	4.03	11.00	10.09	
3.00	3.78	4.00	3.40	Arsanilic acid: Guar., 0.0099%; found, 0.0103%.
3.00	2.74	9.00	8.62	
3.00	3.26	4.00	2.34	Arsanilic acid: Guar., 0.0099%; found, 0.0098%.
3.00	3.84	4.00	3.54	
3.00	3.59	5.00	3.25	
3.00	3.93	4.00	3.42	Sulfaquinoxaline: Guar., 0.0175%; found, 0.0170%. Arsanilic acid: Guar., 0.0099%; found, 0.0098%.

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

Station No.	Manufacturer and brand	Moisture	Protein (N x 6.25) Guaranteed not less than	Protein (N x 6.25) Found
9222	Wolf's Horse Feed	11.21	12.00	13.75
9556	Wolf's Performo-Las	11.08	10.00	12.50
8763	Wolf's Pig & Hog Feed	11.41	16.00	18.13
9223	Wolf's Sweetened 14% Dairy Ration	10.01	14.00	15.88
8765	Wolf's Sweetened 16% Dairy Ration	12.01	16.00	16.88
9562	Wolf's Sweetened 20% Dairy Ration	11.44	20.00	22.50
9563	Wolf's Test Cow 12% Dairy Ration	11.56	12.00	16.50
8766	Wolf's Test Cow 16% Dairy Ration	11.71	16.00	17.75
	SCHOENECK FARMS, INC. Nazareth, Pa.			
8773	Schoeneck's Super-Green Dehydrated Alfalfa Meal	8.20	17.00	17.38
	JOSEPH E. SEAGRAM & SONS, INC., Louisville, Ky.			
9348	Seagram's Corn Distillers Dried Solubles	10.96	25.00	27.38
	SEYMOUR GRAIN & COAL CO. Seymour, Conn.			
9878	Miracle Broiler Starter Medicated	11.10	22.50	23.63
9635	Miracle Brood Sow Ration	10.47	15.00	18.50
9618	Miracle 14% Calf Grower	12.31	14.00	17.00
8755	Miracle Dairy 16%	12.39	16.00	16.00
9615	Miracle Fitting Ration	11.40	14.00	14.75
8748	Miracle Hi-Efficiency Grower	12.52	16.00	16.75
9616	Miracle Hi-Energy All Mash Layer	11.58	16.50	17.25
9637	Miracle Hog Finisher Ration	12.42	12.00	13.63
8753	Miracle Horse Feed	13.00	9.00	9.75
9617	Miracle 20% Laying Mash	11.08	20.00	20.38
9614	Pasture Mix	10.26	9.00	10.25

~~~ indicates deficiencies.
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INSPECTION OF 1959

Fat		Fiber		Medicants
Guaranteed not less than	Found	Guaranteed not more than	Found	
2.75	3.29	10.00	7.33	
2.00	3.59	16.00	11.18	
3.00	4.04	5.00	4.21	
3.00	4.16	9.00	5.66	
3.00	3.79	10.00	6.30	
3.00	3.29	9.00	5.78	
3.00	3.94	9.00	5.88	
3.00	4.26	9.00	6.05	
2.00	2.86	27.00	25.37	
5.00	5.43	5.00	2.76	
3.50	4.33	4.00	1.88	Sulfaquinoxaline:Guar., 0.0175%; found, 0.0186%. 3-Nitro-4-hydroxyphenylarsonic acid: Guar., 0.0050%;found;0.0021%.
3.00	3.85	11.00	7.46	
3.00	2.78	6.50	4.59	
3.00	4.07	9.00	6.00	
3.00	4.09	8.00	6.93	
3.00	4.54	5.50	3.02	
4.25	4.66	4.75	2.65	
3.50	3.52	5.00	3.00	
3.50	3.85	8.00	5.86	
3.00	5.28	6.50	4.59	
2.50	2.59	20.00	18.51	

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

Station No.	Manufacturer and brand	Moisture	Protein (N x 6.25) Guaranteed not less than	Protein (N x 6.25) Found
8754	See-More Milk Dairy Ration 18%	10.82	18.00	18.00
8747	See-More Milk Dairy Ration 20%	11.44	20.00	20.88
	THE SHERWIN-WILLIAMS CO. Cleveland, Ohio			
8721	Sherwin-Williams 32% Linseed Oil Meal (A Blend of Expeller and Solvent Extracted Meals)	11.69	32.00	35.25
9139	Sherwin-Williams 34% Linseed Oil Meal Solvent Extracted	11.96	34.00	35.88
	A. E. STALEY MANUFACTURING CO., Decatur, Ill.			
8828	Staley's HI PRO CON 50% Protein Dehulled Solvent Extracted Soybean Oil Meal	10.55	50.00	52.88
8824	Staley's 44% Protein Solvent Extracted Soybean Oil Meal	12.41	44.00	45.00
	STANDARD BRANDS INC. New York, N. Y.			
9102	Fleischmann's FIDY Type 142-F Irradiated Dry Yeast	6.21	40.00	41.38
	F. W. STOCK & SONS, INC. Hillsdale, Mich.			
9557	Stock's Wheat Bran	11.33	13.00	14.13
9526	Stock's Standard Wheat Middlings	10.97	14.00	15.75
	SUNI CITRUS PRODUCTS CO. Haines City, Fla.			
9078	Sweet Suni-Citrus Pulp	10.79	6.00	6.50
	SUNSHINE BISCUITS, INC. Grafton, Ohio			
9140	UMC Wheat Bran - Pure Wheat Bran	11.61	13.00	14.13
9482	UMC Wheat Middlings with Ground Screenings	11.09	14.00	16.25

~~~ indicates deficiencies.
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INSPECTION OF 1959

Fat		Fiber		Medicants
Guaranteed not less than	Found	Guaranteed not more than	Found	
3.00	3.98	9.50	5.88	
3.00	4.04	9.50	5.57	
3.50	3.60	10.00	6.41	
0.50	3.56	10.00	7.53	
0.50	1.29	3.00	2.58	
0.50	1.04	7.00	6.46	
0.50	3.83	10.00	1.38	
2.75	2.83	12.00	8.08	
4.00	4.49	9.50	6.82	
3.00	3.40	15.75	12.52	
3.00	4.03	11.00	9.33	
3.50	4.16	9.50	6.33	

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

Station No.	Manufacturer and brand	Moisture	Protein (N x 6.25) Guaranteed not less than	Protein (N x 6.25) Found
	SWIFT & CO. Fostoria, Ohio			
9527	Swift's 44% Protein Solvent Extracted Soybean Oil Meal	11.27	44.00	46.88
	THE T. H. TAYLOR CO. LTD. Chatham, Canada			
8848	Beaver Wheat Bran	12.61	13.50	14.13
9088	Beaver Wheat Shorts	11.64	14.00	17.00
	TOLEDO ALFALFA MILLS East Toledo, Ohio			
9531	Supreme Vit-A-Green Pure Dehydrated Alfalfa Meal	7.18	17.00	17.00
	UNITED CO-OPERATIVE FARMERS, INC. Fitchburg, Mass.			
9390	UCF Calf Meal	9.29	25.00	32.75
9282	UCF 18% Dairy	10.20	18.00	18.88
9285	UCF 20% Dairy	10.11	20.00	22.38
9283	UCF Fitting Ration	11.46	14.00	14.75
9810	UCF Hi NRG All Mash Breeder Medicated	10.75	17.00	17.63
9702	UCF Hi NRG All Mash Grower & Layer Medicated	10.60	16.50	16.50
9720	UCF Hi NRG Broiler Starter Medicated	10.50	22.00	23.63
9737	UCF Hi NRG Broiler Starter Medicated	10.84	22.00	22.00
9718	UCF Hi NRG Starter Medicated	11.46	20.00	22.50
9496	UCF Horse Feed	12.81	9.00	11.50
9703	UCF Layer Medicated	10.50	20.00	20.50

~~~~ indicates deficiencies.
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INSPECTION OF 1959

Fat		Fiber		Medicants
Guaranteed not less than	Found	Guaranteed not more than	Found	
0.50	1.09	7.00	4.62	
3.00	4.33	11.50	5.14	
4.50	5.94	8.00	7.42	
1.75	1.78	27.00	24.36	
1.00	2.13	2.00	2.17	
3.50	3.94	9.00	7.02	
3.50	3.96	9.00	6.57	
3.50	3.89	9.00	6.60	
4.00	4.31	4.50	3.47	Arsanilic acid:Guar., 0.0099%; found, 0.0103%.
4.50	4.54	4.50	3.99	Arsanilic acid:Guar., 0.0099%; found, 0.010%.
7.00	5.82	3.00	2.55	Nicarbazin: Guar., 0.0125%; found, 0.0134%. Arsanilic acid: Guar., 0.0099%; found, 0.0040%.
7.00	6.29	3.00	2.61	Nicarbazin: Guar., 0.0125%; found, 0.0134%. 3-Nitro-4-hydroxyphenylarsonic acid: Guar., 0.0050%;found, 0.0049%.
4.00	3.88	4.00	2.66	Sulfaquinoxaline:Guar., 0.0150%; found, 0.0167%.
3.00	3.59	9.00	4.59	
5.00	3.93	5.00	4.93	Arsanilic acid:Guar., 0.0099%; found, 0.0180%.

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

Station No.	Manufacturer and brand	Moisture	Protein (N x 6.25) Guaranteed not less than	Protein (N x 6.25) Found
9850	UCF Medicated Booster 100	11.96	17.00	17.75
9719	UCF Medicated Booster 200	10.18	17.00	18.75
9811	UCF Medicated Booster 200	10.75	17.00	18.25
9809	UCF Medicated Booster NF 100	11.01	17.00	17.38
9495	UCF Pig & Hog Feed	11.14	20.00	21.75
9284	UCF Succulent Dairy	10.26	9.00	12.25
	UNITY FEEDS INC. Boston, Mass.			
9128	Unity Bulky Mix Ration	11.66	11.00	11.00
9546	Unity Dairy & Fitting Ration	12.68	14.00	14.00
9547	Unity 16% Dairy Ration	12.73	16.00	16.00
9125	Unity Growing & Laying Mash	11.69	20.00	19.00
9548	Unity High Energy Laying Mash	11.79	15.00	15.25
9126	Unity Medicated Hen-Biotic	11.36	16.00	16.63
9124	Unity Pig & Hog Ration	11.71	17.00	17.38
9727	Unity Super Starter Medicated	11.26	20.00	20.25
9707	Unity Trim Medicated	10.76	15.50	15.50
9129	Unity Turkey & Game Bird Growing Mash	10.78	20.00	21.25
	GEORGE URBAN MILLING CO. Buffalo, N. Y.			
9329	Wheat Standard Middlings	12.37	15.00	13.75

~~~~ indicates deficiencies.
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INSPECTION OF 1959

Fat		Fiber		Medicants
Guaranteed not less than	Found	Guaranteed not more than	Found	
4.00	4.90	4.50	3.48	Nitrofurazone plus furazolidone: Guar. 0.0063%; found, 0.0048%. Arsanilic acid: Guar., 0.0099%;found, 0.0090%. Antibiotics guaranteed, not determined.
4.00	4.25	4.50	4.28	Arsanilic acid:Guar., 0.0090%; found, 0.0110%. Antibiotic guaranteed, not determined.
4.00	4.08	4.50	3.55	Arsanilic acid:Guar., 0.0099%; found, 0.0084%. Antibiotic guaranteed, not determined.
4.00	4.69	4.50	4.21	Furazolidone: Guar., 0.011%; found, 0.0094%. Arsanilic acid:Guar.0.0099%; found, 0.0132%.
3.00	3.75	7.00	5.98	
2.00	3.04	17.00	11.55	
2.00	3.01	18.00	10.44	
3.50	4.06	9.00	7.16	
3.50	4.08	9.00	7.32	
3.00	3.53	6.00	5.38	
3.50	3.63	4.00	3.66	
3.00	4.50	4.00	3.65	
3.00	3.83	6.00	4.77	
3.00	5.39	4.00	3.17	Nicarbazin: Guar., 0.010%; found, 0.0116%.
3.00	4.24	6.00	4.50	3-Nitro-4-hydroxyphenylarsonic acid: Guar., 0.0050%; found, 0.0056%.
3.00	3.97	5.00	4.48	
3.50	5.18	9.50	2.87	

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

Station No.	Manufacturer and brand	Moisture	Protein (N x 6.25) Guaranteed not less than	Protein (N x 6.25) Found
	WATERTOWN CO-OPERATIVE ASS'N., INC., Watertown, Conn.			
9398	Watertown Co-op 16% Dairy	10.44	16.00	17.50
	H. K. WEBSTER CO. Lawrence, Mass.			
8708	Blue Seal All-Mash Egg Ration	14.16	16.00	16.63
8709	Blue Seal All-Mash Grow & Lay	13.06	16.00	16.00
9808	Blue Seal All-Mash Grow & Lay Medicated	12.10	16.00	17.13
9299	Blue Seal All-Mash Growing Ration	10.06	16.00	17.25
9248	Blue Seal All-Mash Pullet Framer	11.01	14.00	14.38
9717	Blue Seal All-Mash Pullet Framer Medicated	10.91	14.00	15.63
9701	Blue Seal A-5-4 Broiler Medicated	10.99	23.00	23.00
9249	Blue Seal Calf Starter	11.19	19.00	19.13
9532	Blue Seal Chick Feed	13.32	10.00	10.00
9757	Blue Seal Chick Starter Medicated	11.82	20.00	20.63
8711	Blue Seal Coarse 16 Dairy Ration	11.56	16.00	16.00
9141	Blue Seal Coarse 20 Dairy Ration	12.28	20.00	20.25
9426	Blue Seal Egg Mash	11.35	20.00	20.75
9819	Blue Seal Fat & Finish Ration Medicated	11.47	18.00	18.13
9091	Blue Seal Fitting Ration	11.50	14.00	13.25
9092	Blue Seal Flaked 15	11.21	15.00	15.50
9243	Blue Seal Horse Feed	12.01	10.00	12.00
9389	Blue Seal Medicated ORO-Mix	10.46	20.00	22.00
9700	Blue Seal Pig Feed Medicated	11.19	15.00	16.00
9843	Blue Seal Poultry Wormer	11.21	16.00	16.25
9242	Blue Seal Producer's Grow & Lay	10.26	20.00	20.13
9693	Blue Seal Rabbit Pellets Medicated	10.64	20.00	20.00

~~~~ indicates deficiencies.
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INSPECTION OF 1959

Fat		Fiber		Medicants
Guaranteed not less than	Found	Guaranteed not more than	Found	
4.00	4.23	9.00	8.95	
3.00	3.51	3.50	2.80	
3.00	3.90	4.50	2.65	
3.00	3.19	4.50	4.15	Sulfaquinoxaline: Guar., 0.0175%; found, 0.0165%.
3.00	3.86	3.50	3.11	
3.00	4.08	8.00	6.52	
3.00	3.57	8.00	6.89	Sulfaquinoxaline: Guar., 0.0175%; found, 0.0169%.
6.00	6.06	3.00	2.22	Arsanilic acid:Guar., 0.010%; found, 0.0084%. Nicarbazin: Guar., 0.0125%; found, 0.0146%.
3.00	3.34	8.00	6.05	
2.50	2.13	4.00	1.35	
3.50	3.53	4.50	3.02	Sulfaquinoxaline: Guar., 0.0175%, found, 0.0140%. Arsanilic acid: Guar., 0.010%; found, 0.0098%.
3.50	4.29	8.50	4.25	
3.00	4.13	8.00	6.50	
3.50	3.76	3.50	2.91	
4.50	4.08	3.50	2.28	Arsanilic acid: Guar., 0.010%; found, 0.0084%.
3.00	3.91	9.00	6.49	
3.00	3.88	9.00	6.45	
3.00	3.88	9.00	6.29	
3.50	3.77	3.50	2.78	
4.00	5.15	6.00	4.56	Arsanilic acid: Guar., 0.010%; found, 0.010%.
3.50	4.59	4.00	2.94	Phenothiazine: Guar., 0.60%; found, 0.40%. Piperazine: guaranteed, not determined.
3.50	3.60	6.00	5.03	
3.00	3.08	12.00	8.10	Arsanilic acid: Guar., 0.010%; found, 0.0084%.

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

Station No.	Manufacturer and brand	Moisture	Protein (N x 6.25) Guaranteed not less than	Protein (N x 6.25) Found
8712	Blue Seal Standard 16 Dairy Ration	10.81	16.00	16.63
9142	Blue Seal Standard 20 Dairy Ration	12.66	20.00	20.00
9093	Blue Seal Standard "14" Fitting Ration	11.91	14.00	15.25
8710	Blue Seal Succulent Feed & Calving Ration	12.84	12.00	12.25
9288	Blue Seal Super Breeder's Mash	10.51	20.00	18.88
9535	Blue Seal Sweet Sixteen	11.02	16.00	16.88
9245	Blue Seal Test Ration	11.16	18.00	18.38
9427	Blue Seal Turkey Growing	10.21	20.00	20.38
	WEST-NESBITT, INC. Oneonta, N. Y.			
8889	All Pure Milk Ration	11.86	20.00	22.25
8909	Cream-Line Dairy-Test Ration	13.22	18.00	18.38
9926	Pure Feed Broiler Starter Medicated	11.91	22.00	22.00
9154	Pure Feed Calf Grower	11.26	20.00	24.00
8912	Pure Feed Complete Grower	11.13	14.00	16.88
9153	Pure Feed Complete Layer-Breeder	11.51	17.00	18.25
8892	Pure Feed Complete Rabbit Pellets	11.00	16.00	17.50
8907	Pure Feed 16% Dairy Ration	12.74	16.00	16.63
9534	Pure Feed Dairy-Test Ration	11.76	18.00	18.25
8891	Pure Feed Egg & Breeder	10.96	22.00	22.88
8911	Pure Feed Egg Maker	12.00	20.00	20.00
8890	Pure Feed 14% Fitting Ration	12.02	14.00	15.38
8894	Pure Feed Grower	11.30	18.00	19.25
8908	Pure Feed Horse Ration	14.93	9.00	11.88
9927	Pure Feed Starter Medicated	10.36	20.00	20.75
9155	Pure Feed Swine Ration	10.61	16.00	17.25
8910	Pure Feed Turkey Finisher	12.26	16.00	16.75
9648	West-Nesbitt Milk Replacer	5.61	21.00	21.50

~~~ indicates deficiencies.
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INSPECTION OF 1959

Fat		Fiber		Medicants
Guaranteed not less than	Found	Guaranteed not more than	Found	
3.50	4.58	8.50	4.00	
3.00	3.85	8.50	6.50	
3.50	3.88	9.00	7.33	
2.00	2.63	16.00	12.25	
4.00	4.25	3.50	2.49	
2.50	2.67	12.50	10.28	
3.50	4.17	9.00	7.00	
4.50	4.69	4.00	3.03	
3.50	3.41	10.00	6.80	
3.50	3.59	8.50	7.26	
3.50	3.50	4.00	3.52	Nicarbazin: Guar., 0.0125%; found, 0.0150%. Arsanilic acid:Guar., 0.0095%; found, 0.0085%.
3.00	3.09	9.00	6.21	
3.00	4.04	8.00	7.01	
3.00	4.09	4.50	4.48	
3.00	4.17	15.00	10.70	
3.50	3.64	10.00	6.67	
3.50	3.19	8.50	6.08	
3.00	4.33	5.00	4.72	
3.00	3.01	6.50	6.25	
3.50	3.30	8.50	6.06	
3.00	4.46	5.00	4.98	
3.00	3.44	11.00	6.81	
3.00	3.79	5.00	3.71	Glycarbylamide: Guar., 0.003%; found, 0.0031%.
3.50	4.01	8.00	5.87	
3.00	4.13	6.00	4.07	
8.50	8.14	0.50	0.36	

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

Station No.	Manufacturer and brand	Moisture	Protein (N x 6.25) Guaranteed not less than	Protein (N x 6.25) Found
	A. C. WETHERELL Suffield, Conn.			
9434	Special Dairy Mixture No. 3	12.46	16.00	16.50
	WHITMOYER LABORATORIES, INC., Myerstown, Pa.			
8762	Flav-A-Dee	8.88	38.00	39.75
	WILKINS-ROGERS MILLING CO., INC., Washington, D. C.			
9661	Washington Coarse Scratch Feed	12.35	8.00	9.50
9660	Washington Laying Mash	9.98	20.00	20.75
	WILSON'S CORN PRODUCTS, INC. Rochester, Ind.			
9633	Wilson's Hominy Feed	11.62	9.50	11.75
	WIRTHMORE FEEDS INC. Waltham, Mass.			
9133	Big W 16% Dairy Feed	10.81	16.00	18.38
9236	Big W 20% Dairy Feed	10.81	20.00	23.75
9235	Wirthmore All Pellet 16% Dairy Feed	9.89	16.00	18.00
9483	Wirthmore All Pellet 20% Dairy Feed	11.11	20.00	20.75
9392	Wirthmore Breeder Mash	10.86	20.00	20.88
9696	Wirthmore Cage Layer Ration Medicated	10.06	16.50	18.00
9399	Wirthmore Calf Starter Meal	10.65	22.00	25.00
9094	Wirthmore Calving Feed	11.74	14.00	16.13
9402	Wirthmore Chick Starter	10.01	20.00	22.13
9711	Wirthmore Chick Starter 400 Medicated	11.06	20.00	21.00
9758	Wirthmore Coccidiosis Treatment Ration 411 Medicated	11.87	22.00	22.63
9146	Wirthmore Commercial Grower Layer	11.81	16.00	16.00
9730	Wirthmore Commercial Hi-Ener-G Broiler Ration 613 Medicated	10.30	22.00	21.13

~~~ indicates deficiencies.
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INSPECTION OF 1959

Fat		Fiber		Medicants
Guaranteed not less than	Found	Guaranteed not more than	Found	
3.50	3.19	9.00	6.06	
9.00	13.69	5.00	3.13	
2.50	3.13	5.00	2.24	
3.00	3.50	6.50	6.03	
6.50	6.53	6.00	4.38	
3.00	3.29	10.00	8.04	
3.00	3.94	10.00	6.95	
4.00	4.09	9.00	6.50	
4.00	4.31	9.00	7.36	
3.50	4.70	5.50	4.44	
6.00	6.08	4.50	3.04	Sodium arsanilate: Guar., 0.0088%; found, 0.0090%.
4.00	3.59	7.00	5.10	
3.50	3.70	10.00	6.01	
4.00	4.44	5.00	4.17	
4.00	3.96	5.00	4.41	Sulfaquinoxaline: Guar., 0.0175%; found, 0.0138%.
5.50	5.43	4.00	2.56	Sulfaquinoxaline: Guar., 0.050%; found, 0.0484%.
3.50	3.42	4.50	4.86	
5.50	6.74	3.50	3.02	Nicarbazin: Guar., 0.0125%; found, 0.0134%. Sodium arsanilate: Guar., 0.0088%; found, 0.0108%.

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

Station No.	Manufacturer and brand	Moisture	Protein (N x 6.25) Guaranteed not less than	Protein (N x 6.25) Found
9490	Wirthmore Complete Breeder Ration	11.49	15.00	17.13
8715	Wirthmore Complete Egg Ration	12.42	16.00	17.00
9812	Wirthmore Complete Egg Ration 412 Medicated	11.31	16.00	17.00
9096	Wirthmore Complete Growing Ration	10.59	13.50	15.13
9362	Wirthmore Complete Turkey Fattening Ration	11.16	16.00	17.38
8917	Wirthmore 14 Dairy Feed	13.36	14.00	15.50
8718	Wirthmore 16 Dairy Feed	11.47	16.00	16.88
9234	Wirthmore 20 Dairy Feed	10.43	20.00	22.75
8717	Wirthmore 14 Dairy Fitting Feed	13.32	14.00	16.00
9401	Wirthmore 36% Dairy Mixing Feed	9.73	36.00	39.25
8919	Wirthmore 16 Dairy Record Feed	14.06	16.00	17.63
9391	Wirthmore 18 Dairy Record Feed	10.65	18.00	20.63
8719	Wirthmore Grow & Egg Mash	11.11	20.00	20.13
8722	Wirthmore Hi-Ener-G 16	11.65	16.00	16.00
9708	Wirthmore Hi-Ener-G 16 456 Medicated	11.01	16.00	16.25
8886	Wirthmore Hi-Ener-G Breeder	11.95	16.00	17.13
8831	Wirthmore Hog Grower	12.07	15.00	16.00
9436	Wirthmore Hog Grower	11.49	15.00	17.13
8857	Wirthmore Horse Feed	12.71	10.00	12.50
9691	Wirthmore Improved Hi-Ener-G Broiler Ration 414 Medicated	10.27	22.00	22.00
9363	Wirthmore Meatless Mink Food	8.62	12.00	13.50
9151	Wirthmore Medicated Quickies	11.50	20.00	22.00
9753	Wirthmore Medicated Rabbit Pellets	10.46	17.00	17.63
9710	Wirthmore Medicated Treat	10.36	20.00	20.00
9148	Wirthmore Mink Food	10.99	23.00	25.38
8916	Wirthmore New Hope Horse Feed	14.05	12.00	13.00
8835	Wirthmore Pig & Sow Feed	11.94	17.00	17.75
8720	Wirthmore Poultry Fitting	14.16	11.50	11.50
9847	Wirthmore Poultry Wormer	10.11	17.00	20.50

~~~ indicates deficiencies.
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INSPECTION OF 1959

Fat		Fiber		Medicants
Guaranteed not less than	Found	Guaranteed not more than	Found	
3.50	3.80	5.00	4.40	
3.50	4.64	4.50	4.48	
3.50	3.38	4.50	3.98	Sulfaquinoxaline: Guar., 0.0125%; found, 0.0132%.
3.00	4.12	7.00	5.50	
4.00	5.03	5.00	4.30	
3.50	3.94	9.00	6.95	
3.50	3.76	9.00	6.11	
3.50	3.54	9.00	6.46	
3.50	4.34	8.50	7.99	
2.00	3.09	9.00	8.05	
3.50	3.81	8.50	6.54	
3.50	3.63	8.50	6.75	
4.00	4.73	5.00	4.92	
4.00	5.33	4.50	3.46	
4.50	4.34	4.50	3.90	Sodium arsanilate: Guar., 0.0088%; found, 0.0091%.
3.50	5.94	4.00	3.44	
4.00	4.43	6.00	4.58	
4.00	4.10	6.00	4.51	
3.50	3.13	9.00	5.10	
5.50	6.59	3.50	2.80	Sodium arsanilate: Guar., 0.0088%, found, 0.0110%. Nicarbazin: Guar., 0.0125%; found, 0.0138%.
6.00	6.30	5.00	3.31	
3.50	4.24	4.50	4.32	Antibiotic guaranteed, not determined.
3.00	3.84	11.00	9.04	Sulfaquinoxaline: Guar., 0.025%; found, 0.0103%.
3.50	4.94	4.50	3.89	Furazolidone: Guar., 0.022%; found, 0.0170%.
7.00	7.08	4.00	3.38	
3.50	3.46	6.00	5.23	
3.50	4.12	6.00	5.00	
2.50	2.78	6.50	6.06	
4.50	4.56	4.00	3.35	Phenothiazine: Guar., 0.45%; found, 0.365%. Piperazine guaranteed, not determined.

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

Station No.	Manufacturer and brand	Moisture	Protein (N x 6.25) Guaranteed not less than	Protein (N x 6.25) Found
9437	Wirthmore Rabbit Pellets	9.79	17.00	17.00
9694	Wirthmore Roaster Finisher 426 Medicated	11.25	17.00	20.00
9095	Wirthmore Scratch	13.20	9.00	9.38
8832	Wirthmore Stock Primer	12.31	15.00	16.13
9400	Wirthmore Super Pellets	9.59	23.00	25.13
9361	Wirthmore Turkey Growing Ration	9.99	23.00	23.88
9149	Wirthmore Twin-Mix Calf Feed	12.39	18.00	19.38
	WIRTHMORE STORE New Haven, Conn.			
9147	Davis 16% Dairy Ration	14.11	16.00	16.25
9150	Davis Horse Feed	14.00	9.50	9.88
	YANTIC GRAIN & PRODUCTS CO. Norwich, Conn.			
9291	Big Y Calf & Beef Ration	11.66	10.00	12.13
9104	Big Y Calf Starter & Builder	11.73	17.00	18.50
9439	Big Y Chick Scratch Grain	13.45	10.00	10.63
9289	Big Y Chlortetracycline (Aureomycin) Mixture	10.81	15.00	16.00
8923	Big Y Confinement Growing Mash	12.11	15.00	15.63
9722	Big Y Confinement Growing Mash Medicated	11.01	15.00	15.38
9478	Big Y Controlled Growing Ration	10.79	15.00	15.00
8924	Big Y Dairy & Fitting Ration	12.54	14.00	17.75
9549	Big Y Dairy & Fitting Ration	10.49	12.00	13.63
8742	Big Y Dairy Ration 16%	12.76	16.00	16.38
8925	Big Y 18% Dairy Ration	12.89	18.00	19.75
8743	Big Y 20% Dairy Ration	13.00	20.00	21.75
9105	Big Y Dairy Ration Purity	11.14	16.00	16.88
9628	Big Y Dairy Ration Purity	11.01	14.00	17.50
9629	Big Y 32% Dairy Supplement Feed	10.04	32.00	30.88
9855	Big Y Extra Production Laying Mash Medicated	10.52	16.00	16.13
9108	Big Y Grower-Layer Mash	11.17	16.00	16.00
9595	Big Y Hi-Efficiency Breeder Ration	10.66	15.00	16.00

~~~ indicates deficiencies.
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INSPECTION OF 1959

Fat		Fiber		Medicants
Guaranteed not less than	Found	Guaranteed not more than	Found	
3.00	3.18	11.00	10.34	
4.50	4.53	4.00	2.97	Sodium arsanilate: Guar., 0.0088%; found, 0.0085%. Nicarbazin: Guar., 0.0125%; found, 0.0136%.
2.50	2.63	4.00	2.93	
3.00	3.63	10.00	6.05	
3.50	4.29	5.50	5.07	
3.50	4.58	6.00	5.83	
3.00	3.41	8.00	5.14	
3.50	3.74	8.00	6.10	
2.50	2.53	11.00	9.55	
3.00	3.48	9.00	5.10	
2.50	3.54	7.50	5.40	
2.00	2.83	4.00	1.48	
3.50	4.38	5.00	3.53	Antibiotic guaranteed, not determined.
3.50	4.48	5.00	3.73	
3.50	3.93	5.00	3.42	Nitrophenide: Guar., 0.025%; found, 0.021%.
3.00	3.30	10.00	8.94	
3.50	4.67	9.00	7.63	
3.00	3.85	8.50	6.62	
3.50	4.00	8.50	7.75	
3.00	3.37	9.00	7.93	
3.00	4.02	9.00	7.48	
3.50	3.59	9.00	7.42	
3.50	4.39	9.00	8.03	
3.00	2.53	8.00	7.57	
4.00	4.04	5.00	4.86	Arsanilic acid:Guar., 0.010%; found, 0.0118%.
3.50	4.18	4.00	3.81	
3.50	4.16	4.00	3.02	

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

Station No.	Manufacturer and brand	Moisture	Protein (N x 6.25) Guaranteed not less than	Protein (N x 6.25) Found
8741	Big Y Hi-Efficiency Laying Mash	11.71	16.00	16.00
8740	Big Y High Efficiency Grower	12.44	15.00	16.38
9761	Big Y High Efficiency Grower Medicated	11.50	15.00	15.25
9575	Big Y Hi-G Dairy Ration	10.63	16.00	17.63
9290	Big Y Hi-G Scratch Feed	12.20	9.00	9.75
9480	Big Y Hog & Pig Ration	11.22	17.00	18.25
9334	Big Y Horse Feed	11.80	10.00	11.63
9551	Big Y Improved Al-Mo	9.98	10.00	14.63
9763	Big Y Improved Broiler Finisher Medicated	11.38	19.00	20.75
9766	Big Y Improved Broiler & Starter Ration Medicated	10.77	21.00	21.00
8744	Big Y Improved Finisher	10.94	19.00	22.50
9877	Big Y Improved Turkey Starter & Game Bird Feed Medicated	9.80	28.00	28.38
9596	Big Y Intermediate Chick Grain	12.26	10.00	12.00
9479	Big Y 20% Laying Mash	10.22	20.00	20.00
9594	Big Y M & O Growing Feed	10.91	18.00	18.00
9760	Big Y Peerless Broiler & Starter Ration Medicated	10.63	23.00	24.25
9500	Big Y Poultry Fitting Ration	12.43	10.00	12.38
9869	Big Y Powerhouse Crumbles Medicated	11.12	20.00	20.25
9767	Big Y Pre-Starter Medicated	10.57	26.00	24.75
9340	Big Y Rabbit Pellets	10.11	16.00	16.38
8926	Big Y Scratch Feed	15.17	9.00	10.50
9550	Big Y Sheep & Goat Feed	11.55	16.00	16.63
9630	Big Y Station Fattener Pellets	10.87	12.00	12.38

~~~~ indicates deficiencies.
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INSPECTION OF 1959

Fat		Fiber		Medicants
Guaranteed not less than	Found	Guaranteed not more than	Found	
3.50	3.71	4.00	3.54	
3.50	4.97	5.00	4.50	
3.50	3.62	5.00	3.56	Nicarbazin: Guar., 0.0125%; found, 0.0090%. Arsanilic acid:Guar., 0.0095%; found, 0.0112%.
3.00	3.48	11.00	7.58	
2.00	2.82	5.00	4.13	
3.50	3.71	8.00	6.22	
2.50	3.08	9.00	5.91	
1.50	3.67	17.00	10.33	
5.00	4.96	4.00	3.50	Nicarbazin: Guar., 0.0125%; found, 0.0128%. Arsanilic acid: Guar., 0.0095%; found, 0.0099%.
5.00	5.09	4.00	2.92	Nicarbazin: Guar., 0.0125%; found, 0.0126%. Arsanilic acid: Guar., 0.0095%; found, 0.0112%.
5.00	5.49	4.00	3.62	
4.50	5.23	5.00	2.94	Sulfaquinoxaline: Guar., 0.0175%; found, 0.0460%.
2.50	3.76	5.00	2.57	
3.50	3.54	6.00	5.23	
3.50	4.94	6.00	5.05	
5.50	5.43	4.00	2.61	Nicarbazin: Guar., 0.0125%; found, 0.0140%. Arsanilic acid:Guar., 0.0095%; found, 0.0098%.
3.00	3.53	8.00	4.35	
3.50	3.74	6.00	5.89	Furazolidone: Guar., 0.011%; found, 0.0105%. Antibiotic guaranteed, not determined.
8.00	7.59	3.50	2.91	Nicarbazin: Guar., 0.0125%; found, 0.0134%. Arsanilic acid:Guar., 0.0095%; found, 0.0110%.
3.00	4.29	10.00	8.49	
2.00	2.01	5.00	3.45	
3.00	4.28	8.50	6.62	
3.00	3.14	12.00	9.02	

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

Station No.	Manufacturer and brand	Moisture	Protein (N x 6.25) Guaranteed not less than	Protein (N x 6.25) Found
9762	Big Y Starter Ration Medicated	10.89	20.00	21.88
9574	Big Y Stock Feed	10.33	9.00	12.00
9752	Big Y Super Starter Ration Medicated	11.46	20.00	19.38
9755	Big Y Super Starter Ration Medicated	10.86	21.00	19.38
9416	Big Y Supreme Laying Mash	10.22	16.00	17.38
8921	Big Y Test Cow Ration	12.96	16.00	18.00
8745	Big Y Turkey Growing Feed	11.15	20.00	20.25
9923	Big Y Worming Mash	10.72	18.00	19.25
	YIELDMOR FEEDS, INC. Piqua, Ohio			
9951	David Small's Broiler Feed Medicated	10.86	24.00	25.50
9949	David Small's Finishing Feed Medicated	10.00	20.00	21.50
9950	Yieldmor Broiler Booster Medicated M-24	11.07	20.00	20.63

~~~ indicates deficiencies.
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INSPECTION OF 1959

Fat		Fiber		Medicants
Guaranteed not less than	Found	Guaranteed not more than	Found	
3.50	3.84	4.50	3.44	Nicarbazin: Guar., 0.0125%; found, 0.0146%. Arsanilic acid: Guar., 0.0095%; found, 0.0100%.
2.50	4.29	15.00	7.61	
3.50	4.69	4.50	3.09	Sulfaquinoxaline: Guar., 0.0175%; found, 0.0198%.
4.00	4.69	4.00	2.71	Sulfaquinoxaline: Guar., 0.0175%; found, 0.0162%.
5.00	5.48	4.00	3.59	
3.00	4.28	8.50	6.54	
3.50	4.03	6.00	5.25	
3.50	3.51	6.00	5.29	Phenothiazine: Guar., 0.50%; found, 0.460%. Piperazine: guaranteed, not determined.
7.50	7.98	4.00	2.02	3-Nitro-4-hydroxyphenylarsonic acid:Guar., 0.0050%; found, 0.0058%. 3,5-Dinitrobenzamide: Guar., 0.0250%; found, 0.0250%. Acetyl (para-nitrophenyl) sulfanilamide:Guar., 0.030%; found, 0.0304%.
7.50	7.78	3.50	2.29	3-Nitro-4-hydroxyphenylarsonic acid: Guar., 0.0050%; found, 0.0058%. 3,5-Dinitrobenzamide: Guar., 0.0250%; found, 0.0225%. Acetyl (para-nitrophenyl) sulfanilamide: Guar., 0.030%; found, 0.0308%.
7.50	6.79	3.50	2.55	3,5-Dinitrobenzamide: Guar., 0.0250%; found, 0.0250%. Acetyl (para-nitrophenyl) sulfanilamide: Guar., 0.030%; found, 0.0284%. Antibiotic guaranteed, not determined.

TABLE 2. VITAMIN CARRIERS

Station No.	Manufacturer and brand	Place, date of sampling and control number
	CHEMO PURO MANUFACTURING CORP., Newark, N. J.	
8940	Chemo Nutrient Premix MGS-3	Jewett City, 9/15, 9129
	DAWE'S LABORATORIES, INC. Chicago, Ill.	
7395	Dawe's Fermentation Flavonne	Middletown, 3/3, 6379
7804	Dawe's Fermentation Flavonne	Middletown, 4/24, 7015
8678	Dawe's Fermentation Flavonne	Middletown, 8/19, 8619
7805	Dawe's Vitamelk (Ruminant Type)	Middletown, 4/24, 7009
7394	Special Broiler Mix No. 571-D	Middletown, 3/3, 6378
8679	Special Broiler Mix No. 571-D	Middletown, 8/19, 8620
	EASTERN STATES FARMERS' EXCHANGE, INC. West Springfield, Mass.	
7798	Calfsaver Tablets	Yantic, 4/22, 9950-007-110
	THE FOX CO. Newfield, N. J.	
7398	Foxco Qualadee A & D Feeding Oil	Shelton, 3/4, 111358
7792	Foxco Qualadee A & D Feeding Oil	New Haven, 3/20, 123158
7408	Vitamin 2-4-9-C Supplement	Norwich, 3/5, 1228K-928L
	PETER HAND FOUNDATION Chicago, Ill.	
9265	Custom High Energy Pre-Mix	No. Franklin, 10/23, 1029H
9263	Custom Roaster Premix No. 2634	No. Franklin, 10/23, 8580
9264	Custom W. M. Plain Premix	No. Franklin, 10/23, 7528
	KRAFT FOODS New York, N. Y.	
7403	G-AN-EN Dog Food Supplement	Norwich, 3/5, None
9376[1]	Kray-9	Norwalk, 11/3, 90110
	MARINE PRODUCTS CO. Boston, Mass.	
8682	Vitamin A & D Feeding Oil	Norwich, 8/27, 59-72
9445	Vitamin A & D Feeding Oil	Norwich, 11/16, 9036

[1] Thiamine, mg/lb: Guar., 7.2; found, 1.49.

~~~~ indicates deficiencies.
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TABLE 2. VITAMIN CARRIERS

Vitamin D, units/lb.		Riboflavin, mg/lb.		Niacin, mg/lb.		Pantothenic acid, mg/lb.	
Guar.	Found	Guar.	Found	Guar.	Found	Guar.	Found
		400	430	4000	4010	924	1017
18,160	OK						
18,160	OK	45.0	39.9	140.0	117.7	40.0	34.5
18,160	OK	45.0	55.5	140.0	120.0	40.0	27.0
		15.4	20.2	90.0	137.6	16.3	30.3
14,582	OK						
14,582	OK	42.0	46.8	180	166	61.0	63.4
				50	53.2		
136,200	OK						
136,200	OK						
		2000	1803	9000	9659	4000	4148
272,400	OK	800	892	4540	4490		
192,857	OK	457	466	6514	6940	253	314
136,000	OK	600	571	4000	3469	370	379
		10	14.6	35	60.3		
		10	12.8	35	55.8		
136,080	OK						
136,080	OK						

TABLE 2. VITAMIN CARRIERS

Station No.	Manufacturer and brand	Place, date of sampling and control number
	MERCK & CO., INC. Rahway, N. J.	
7402	No. 752 Feed Supplement	Norwich, 3/5, M3979No. 3
7797	No. 752 Feed Supplement	Norwich, 4/22, 590 9No. 4
8684	No. 812 Feed Supplement	Norwich, 8/27, M1083-9No.3
	MYZON, INC. Chicago, Ill.	
7410	Myzon Formula 62 Poultry Builder	Hamden, 3/6, None
7404	Myzon Poultry Builder	Norwich, 3/5, None
	NOPCO CHEMICAL CO. Newark, N. J.	
7794	Nopdex "3000"	Norwich, 4/22, V6861
8680	Nopdex "3000"	Norwich, 8/27, V7632
9446	Nopdex "3000"	Norwich, 11/16, V8145
7407	Nopco-Pak Hi-Lay Premix	Norwich, 3/5, Code DDA 527-11514 800 12/58
9448	Nopco-Pak Hi-Lay Premix	Norwich, 11/16, Code DDA 800/6/59
7025	Nopco-Pak Mix No. 3 Starter Premix	Manchester, 1/15, Code DTL 527-11878 410 11/58
7405	Nopco-Pak Super Premix	Norwich, 3/5, Code DMW 527-11744 510 6/58
7795	Nopco-Pak Super Premix	Norwich, 4/22, Code EAZ 527-12033 510 4/59
8681	Nopco-Pak Super Premix	Norwich, 8/27, Code EAZ 527-12033 510 4/59
9447	Nopco-Pak Super Premix	Norwich, 11/16, Code EAZ 510/4/59
	CHAS. PFIZER & CO., INC. Brooklyn, N. Y.	
9061	Derby Feeds Poultry Mix	Derby, 9/22, 2269
7796	High Lay Premix	Norwich, 4/22, AK0709
8683	High Lay Premix	Norwich, 8/27, AK1629
7401	R-4	Norwich, 3/5, None

~~~~ indicates deficiencies
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TABLE 2. VITAMIN CARRIERS

Vitamin D, units/lb.		Riboflavin, mg/lb.		Niacin, mg/lb.		Pantothenic acid, mg/lb.	
Guar.	Found	Guar.	Found	Guar.	Found	Guar.	Found
85,125	OK						
85,125	OK	500	462	3750	4006	460	504
85,125	OK	500	580	3750	3612	460	446
164,000	OK	160	152	640	607	160	149
164,000	OK	160	160	640	758	160	167
1,361,000	OK						
1,361,000	OK						
1,361,000	Pass						
400,000	OK						
400,000	OK	800	727	8000	6696	1478	1172
103,100	OK	350	387	4500	4770	739	866
170,300	OK						
170,300	OK	1000	1116	7500	7890	924	1051
170,300	Below std.	1000	1066	7500	6704	924	869
170,300	OK	1000	943	7500	6915	924	763
		400	352	4000	3964	920	362
400,000	OK	800	729	8000	7634	1472	1631
400,000	OK	800	781	8000	6409	1472	1310
		4000	4180				

TABLE 2. VITAMIN CARRIERS

Station No.	Manufacturer and brand	Place, date of sampling and control number
	STABILIZED VITAMINS, INC. Garfield, N. J.	
7799	Perma-D-1500	Manchester, 4/23, 11789
7023	Perma-Mix C. C. C. No. 1	Manchester, 1/15, 2033-5
7393	Perma-Mix C. C. C. No. 1	Manchester, 3/3, 2088-4
7801	Perma-Mix C. C. C. No. 1	Manchester, 4/23, 2167-2
8674	Perma-Mix C. C. C. No. 1	Manchester, 8/17, 2339
9440	Perma-Mix C. C. C. No. 1	Manchester, 11/9, 2498
7802	Perma-Mix C. C. C. No. 2	Manchester, 4/23, 2149
8675	Perma-Mix C. C. C. No. 2	Manchester, 8/17, 2340
9441	Perma-Mix C. C. C. No. 2	Manchester, 11/9, 2470
7800	Perma-Mix C. C. C. No. 3	Manchester, 4/23, 2150
8676	Perma-Mix C. C. C. No. 3	Manchester, 8/17, 2268
9442	Perma-Mix C. C. C. No. 3	Manchester, 11/9, 2410
8677	Perma-Mix C. C. C. No. 4	Manchester, 8/17, 2319
	VITARON CHEMICAL MFG. CO. INC., Garfield, N. J.	
7397	Vitamin A & D Feeding Oil	Shelton, 3/4, 11032
7808	Vitamin A & D Feeding Oil	Fairfield, 4/24, 11344
8673	Vitamin A & D Feeding Oil	Shelton, 8/10, 12074
9443	Vitamin A & D Feeding Oil	Shelton, 11/13, 12465
	WHITMOYER LABORATORIES, INC., Myerstown, Pa.	
7396	Flav-A-Dee	Bridgeport, 3/4, None
8672	Flav-A-Dee	Bridgeport, 8/10, None
7399	Whitcod Pure Cod Liver Oil USP Non Destearinated	Moosup, 3/5, 12257
	WIRTHMORE FEEDS, INC. Waltham, Mass.	
9062	Wirthmore Cage Layer Ration	New Milford, 9/22, G132438
9266[2]	Wirthmore Meatless Mink Food	Danbury, 10/26, 494714-494700-494701-494696-494697
8942[3]	Wirthmore Mink Food	New Haven, 9/16, A763307 A763306 A763505 A763301 A763304

[2] Thiamine, mg/lb.: Guar., 4; found, 6.99.

[3] Thiamine, mg/lb.: Guar., 4; found, 8.91.

~~~ indicates deficiencies.
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TABLE 2. VITAMIN CARRIERS

Vitamin D, units/lb.		Riboflavin, mg/lb.		Niacin, mg/lb.		Pantothenic acid, mg/lb.	
Guar.	Found	Guar.	Found	Guar.	Found	Guar.	Found
6,810,000	OK						
170,300	OK	400	420	5300	42	600	654
170,300	OK						
170,300	OK			5300	5430		
		400	481	5300	5440	600	705
170,300	OK	400	419	5300	4257	600	499
102,100	OK						
		250	321	5000	5238	924	931
102,100	OK	250	264	5000	4105	924	968
103,100	OK	650	713	4500	4756	739	675
103,100	OK	650	735	4500	4378	739	661
103,100	OK	650	650	4500	4338	739	743
136,200	OK	500	443	4120	3549	872	731
136,200	OK						
136,200	OK						
136,200	OK						
136,200	OK						
54,480	OK						
54,480	OK	100	107	700	731	100	117
68,000	OK						
		1.8	3.35	16	23.7	4	6.01
		4.5	4.1	20	30.6	7	6.80
		4.5	5.84	20	25.2	7	8.63

TABLE 2. VITAMIN CARRIERS

Station No.	Manufacturer and brand	Place, date of sampling and control number
9063	Wirthmore Pig & Sow Feed	Plainfield, 9/25, B720727-04-26-28-29
8943	Wirthmore Twin-Mix Calf Feed	New Haven, 9/16, F140890 F138848 F140891 F140895 F138871
	YANTIC GRAIN & PRODUCTS CO. Norwich, Conn.	
7793	Big Y Vitamin A & D Feeding Oil	Norwich, 4/22. 326

~~~~ indicates deficiencies.
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TABLE 2. VITAMIN CARRIERS

Vitamin D, units/lb.		Riboflavin, mg/lb.		Niacin, mg/lb.		Pantothenic acid, mg/lb.	
Guar.	Found	Guar.	Found	Guar.	Found	Guar.	Found
		2	13.4	20	89.4	6	18.0
		3	2.83	3	21.1	1	6.55
13,610	OK						